# FY2013

### **BADGER ARMY AMMUNITION PLANT**

**Installation Action Plan** 

Printed 09 September 2013

# **Table of Contents**

| Statement Of Purpose                               | 1  |
|--|----|
| Acronyms   | 2  |
| Installation Information                           | 4  |
| Cleanup Program Summary                            | 5  |
| 5-Year / Periodic Review Summary                   | 6  |
| Parcel Summary                                     | 7  |
| Installation Restoration Program                   | 29 |
| IRP Summary  | 30 |
| IRP Contamination Assessment                       | 32 |
| IRP Previous Studies                               | 33 |
| Installation Restoration Program Site Descriptions | 52 |
| BAAP-001 SETTLING PONDS/SPOILS DISPOSAL AREA       | 53 |
| BAAP-012 GW Monitoring ON and OFF Post             | 55 |
| BAAP-33 PROP BRNG GRD - CONTAMINATED WASTE PITS    | 57 |
| BAAP-35 CAP & COVER MAINTENANCE                    | 59 |
| BAAP-40 GRUBER'S GROVE BAY                         | 60 |
| BAAP-43 Site-Wide RI                               | 61 |
| IRP Site Closeout (No Further Action) Summary      | 62 |
| Installation Restoration Program Schedule          | 64 |
| Installation Restoration Program Milestones        | 64 |
| Installation Restoration Program Schedule Chart    | 67 |
| Compliance Restoration                             | 68 |
| CR Summary   | 69 |
| CR Contamination Assessment                        | 70 |
| CR Previous Studies                                | 71 |
| Compliance Restoration Site Descriptions           | 72 |
| CC-BAAP-44 Abandoned Industrial Sewer Network      | 73 |
| CR Site Closeout (No Further Action) Summary       | 74 |

# **Table of Contents**

| Compliance Restoration Schedule       | 75 |
|---------------------------------------|----|
| Compliance Restoration Milestones     | 75 |
| Compliance Restoration Schedule Chart | 76 |
| Community Involvement                 | 77 |

#### **Statement of Purpose**

The purpose of the Installation Action Plan (IAP) is to outline the total multiyear cleanup program for an installation. The plan identifies environmental cleanup requirements at each site or area of concern (AOC), and proposes a comprehensive, installation-wide approach, along with the costs and schedules associated with conducting investigations and taking the necessary remedial actions (RA).

In an effort to coordinate planning information between the restoration manager, the US Army Environmental Command (USAEC), Badger Army Ammunition Plant (BAAP), the Base Realignment and Closure (BRAC) Division, the Wisconsin Department of Natural Resources (WDNR), US Environmental Protection Agency (USEPA) Region V, the executing agencies, regulatory agencies, and the public, an IAP was completed. The IAP is used to track requirements, schedules, and budgets for all major Army installation cleanup programs.

All site-specific funding and schedule information has been prepared according to projected overall Army funding levels and is, therefore, subject to change.

#### **Acronyms**

- AEDB-CC Army Environmental Database Compliance-related Cleanup
- AEDB-R Army Environmental Database Restoration
  - AOC Area of Concern
  - **BAAP Badger Army Ammunition Plant**
  - BEBA Badger Environmental Board of Advisors
    - BIA Bureau of Indian Affairs
  - BRAC Base Realignment and Closure
    - CC Compliance-related Cleanup
    - **CD Compact Disc**
- CERCLA Comprehensive Enrironmental Response, Compensation, and Liability Act of 1980
  - CMI(C) Corrective Measures Implementation (Construction)
- CMI(O) Corrective Measures Implementation (Operation)
  - CMS Corrective Measures Study
    - **CR** Compliance Restoration
  - **CS** Confirmatory Sampling
  - cy cubic yard
  - **DBG** Deterrent Burning Ground
  - DBP Dibutyl-Phthalate
  - **DD** Decision Document
- DERP Defense Environmental Restoration Program
  - **DES** Design
  - DNT Dinitrotoluene
- DPA Diphenylamine
- ER,A Environmental Restoration, Army
- **ERA Environmental Risk Assessment**
- ESS Explosive Safety Submission
- FRA Final Remedial Action
- FS Feasibility Study
- FY Fiscal Year
- GGB Gruber's Grove Bay
- GIS Geographic Information System
- **GSA** General Services Administration
- **GW** Groundwater
- **HCN Ho-Chunk Nation** 
  - ID Identification
- IFCR In-Field Condition Report
  - IR Installation Restoration
- IRA Interim Remedial Action
- IRM Interim Remedial Measure
- IRP Installation Restoration Program
  - K thousand
- kg kilogram
- LTM Long-Term Management
- mg milligram
- MIRM Modified Interim Remedial Measure

#### **Acronyms**

- MMRP Military Munitions Response Program
  - MR Munitions Response
  - N/A Not Applicable
  - NAC Nitric Acid
  - NFA No Further Action
  - NG Nitroglycerine
  - NPL National Priorities List
- ODUSD (I&E) Office of the Deputy Under Secretary of Defense for Installations and Environment
  - OM, A Operations and Maintenance, Army
    - PA Preliminary Assessment
  - PBC Public Benefit Conveyance
  - PBG Propellant Burning Ground
  - PCB Polychlorinated Biphenyl
  - POL Petroleum, Oil, and Lubricants
  - ppb parts per billion
  - ppm parts per million
  - **RA Remedial Action**
  - RA(C) Remedial Action Construction
  - RA(O) Remedial Action Operation
  - **RAB Restoration Advisory Board**
  - RC Response Complete
  - RCRA Resource Conservation and Recovery Act
    - **RD** Remedial Design
    - RFA RCRA Facility Assessment
    - RFI RCRA Facility Investigation
    - RI Remedial Investigation
    - RIP Remedy-in-Place
  - **ROD** Record of Decision
  - RRSE Relative Risk Site Evaluation
  - SAC Sulfuric Acid Concentrator
    - SI Site Inspection
  - SVE Soil Vapor Extraction
  - SVOC Semi-volatile organic compounds
  - TAPP Technical Assistance for Public Participation
  - TBD To Be Determined
  - TRC Technical Review Committee
- USACHPPM US Army Center for Health Promotion and Preventive Medicine
  - USAEC US Army Environmental Command
- USATHAMA US Army Toxic and Hazardous Materials Agency
  - USDA US Department of Agriculture
  - USEPA US Environmental Protection Agency
    - UST Underground Storage Tank
    - VOC Volatile Organic Compounds
  - WDNR Wisconsin Department of Natural Resources

#### **Installation Information**

#### **Installation Locale**

Installation Size (Acreage): 7,275.24

City: Baraboo County: Sauk State: Wisconsin

#### Other Locale Information

The BAAP site is located on 7,275.24 acres of land in Sauk County, Wisconsin. It is bordered on the north by Devil's Lake State Park, on the east by farmland, State Highway 78, and the Wisconsin River, on the south by farmland, and on the west by US Highway 12. It is approximately nine miles south of Baraboo (pop. 10,771), and seven miles north of Sauk City and Prairie du Sac (population 3,109 and 3,231 respectively). Bluffview, a residential area with approximately 1,000 residents, is located directly west across Highway 12 from Badger's main gate. On Badger's east side, between Highway 78 and the Wisconsin River, there are several unincorporated residential developments with a projected population of 1,000 people when fully developed.

#### **Installation Mission**

The mission of the BAAP is to prepare the property for transfer from Army control to various federal land managers or their sponsored agents.

#### **Lead Organization**

Base Realignment and Closure Division

#### **Lead Executing Agencies for Installation**

USAEC, Cleanup and Munitions Division, West Branch

#### **Regulator Participation**

Federal USEPA, Region 5

State WDNR
National Priorities List (NPL) Status

BADGER ARMY AMMUNITION PLANT is not on the NPL

### Installation Restoration Advisory Board (RAB)/Technical Review Committee (TRC)/Technical Assistance for Public Participation (TAPP) Status

RAB established 1993

#### **Installation Program Summaries**

#### **IRP**

Primary Contaminants of Concern: Explosives, Metals, Petroleum, Oil and Lubricants (POL), Polychlorinated

Biphenyls (PCB), Volatiles (VOC)

Affected Media of Concern: Groundwater, Sediment, Soil

#### CR

**Primary Contaminants of Concern:** Explosives, Metals, Polychlorinated Biphenyls (PCB), Semi-volatiles

(SVOC), Volatiles (VOC)

Affected Media of Concern: Soil

#### **Cleanup Program Summary**

#### **Installation Historic Activity**

The BAAP was constructed in 1942 in Sauk County, Wisconsin, near the city of Baraboo. The plant was operated intermittently over a 33-year period to produce single-base and double-base propellant for cannon, rocket, and small arms ammunition. Plant operation was terminated in March 1975 and all production facilities and many support functions were placed on standby status. Maintenance of standby facilities continued until 1998, when the Army declared BAAP excess to its needs.

Disposal of propellant waste in open burn pits and discharge of production wastewaters to open ditches and ponds appear to be the major sources of groundwater problems on and off the installation. Monitoring of groundwater indicates natural attenuation is occurring. Incidental soil contamination around painted production buildings has been investigated and remediated after the buildings were demolished.

Now the 7,275-acre facility is ready for changes in ownership. The General Services Administration (GSA) is the federal agency handling the property disposal. The proposed new owners are the US Department of Agriculture (USDA) for dairy forage research, the WDNR for a recreation area, and the town of Sumpter Bluffview Sanitary and Water District to continue services to the nearby residential community. The town will also acquire three historic cemeteries. Wisconsin Department of Transportation reconstructed US Highway 78 on portions of the installation.

#### **Installation Program Cleanup Progress**

**IRP** 

**Prior Year Progress:** BAAP-001: Close site.

BAAP-012: Get municipal, state and ACSIM approval of municipal water system, reduce residential

monitoring, reduce monitored natural attenuation (MNA) well sampling.

BAAP-33: Operate MIRM pump-and-treat, shut down interim remedial measure (IRM) system, and

monitor groundwater rebound at source. BAAP-35: Maintain caps and covers. BAAP-40: Determine appropriate remedy.

BAAP-43: Complete demolition, continue soil investigations and closure process.

Future Plan of Action: BAAP-012: Get municipal approval of water system and start construction. Get WDNR approval of

reduced groundwater monitoring. Refine MNA.

BAAP-33: Start modified interim remedial measure (MIRM) shutdown once IRM shutdown proved

successful.

BAAP-35: Maintain caps and covers.

BAAP-40: Design sediment remedy and implement. BAAP-43: Complete RI/RA and WDNR closures.

**CR** 

Prior Year Progress: CC-BAAP-44: Get regulatory concurrence for completed remedial investigation (RI)/RA activities for

sewers via closure letters for parcels.

Future Plan of Action: CC-BAAP-44: Completed regulatory concurrence in fiscal year (FY)2014.

### **5-Year / Periodic Review Summary**

#### 5-Year / Periodic Review Summary

| Status   | Begin Date | End Date | End FY |
|----------|------------|----------|--------|
| Complete | 200804     | 200906   | 2009   |
| Planned  | 201304     | 201307   | 2013   |

#### Last Completed 5-Year / Periodic Review Details

| Associated ROD/DD Name                 | Sites    |
|--|----------|
| PC&EPM FOR DETERRENT BURNING GROUND    | BAAP-006 |
| PC&EPM FOR PBG 1949 PIT & LANDFILL 1   | BAAP-35  |
| PC&EPM FOR PBG CONTAMINATED WASTE PITS | BAAP-33  |
| PC&EPM FOR PBG RACETRACK AREA          | BAAP-34  |
| PC&EPM FOR SOUTHERN OFF-POST AREA      | BAAP-012 |

ResultsBAAP-006: Cap as remedy working as designed. GW needs more evaluation. Biotreatment system needs modification & better measurement of effectiveness.

**Actions**BAAP-006:evaluate biotreatment, define plume, add mon wells, define exit strategy. Define central plume. BAAP-33:Optimize gw pump&treat, define exit strategy.

PlansBAAP 006: Modify closure agreemnt to end biotreatment in next 5 yrs & define end of gw monitoring. BAAP-33: Prepare Alt FS for gw to define end of gw monitoring.

#### Recommendations and Implementation Plans:

BAAP-006: The deterrent burning ground (DBG) biotreatment system was removed and cap restored to an impervious condition in 2012. No other soil actions are required: groundwater is addressed at BAAP-12.

BAAP-12: The site-wide groundwater issues [DBG, propellant burning ground (PBG), and central plume areas] are being addressed by the offer to install an off-site municipal water system (awaiting municipal approval) and continued MNA, per the alternative feasibility study (FS) approved by WDNR June 28, 2012.

BAAP-33: A vapor intrusion study for this solvent plume completed in accordance with USEPA and State guidance in spring 2012 found no problems. The first phase of the shutdown of the PBG groundwater pump-and-treat systems was implemented in December 2012 at the source area.

BAAP-001: The settling ponds area final remedy will be soil excavation and removal, with state approval expected in summer 2013.

BAAP-40: Gruber's Grove Bay requires additional sediment treatment, based on WDNR review of remaining sediments after dredging. Remedial design (RD) is underway, with treatment planned in 2014.

BAAP-35: Long-term maintenance of caps on closed sites and landfills, with required groundwater monitoring, is expected to continue.

#### **Summary of Parcel Prioritization and Transfer Strategy**

Parcel Name: Parcel A
Parcel Size: 89.00

Associated Sites: BAAP-012
Transfer Date: 200409
Current Land Use: Agricultural
Future Land Use: Agricultural
Encumbrances: none

Lagger/Dermite/Ligarage

Leases/Permits/Licenses: N/A

**Transfer Strategy:** Transfer to Other Federal Agencies **Recipient Organization:** USDA Dairy Forage Research Center

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel B Parcel Size: 55.36

Associated Sites: BAAP-012
Transfer Date: 200409
Current Land Use: Agricultural
Future Land Use: Agricultural

Encumbrances: none

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: USDA Dairy Forage Research Center

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel C
Parcel Size: 114.22

Associated Sites: BAAP-001, BAAP-012

Transfer Date: 200409
Current Land Use: Agricultural
Future Land Use: Agricultural
Encumbrances: none

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: USDA Dairy Forage Research Center

Parcel Name: Parcel D
Parcel Size: 1,670.51

Associated Sites: BAAP-012, BAAP-33

Transfer Date: 200409
Current Land Use: Agricultural
Future Land Use: Agricultural
Encumbrances: none

Leases/Permits/Licenses: N/A

**Transfer Strategy:** Transfer to Other Federal Agencies **Recipient Organization:** USDA Dairy Forage Research Center

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel DOT

Parcel Size: 60.21

Associated Sites: BAAP-001, BAAP-012

Transfer Date: 201109

Current Land Use: Other (US Highway 78 right of way)

Future Land Use: Other (Hwy 78)

Encumbrances: none

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: State of Wisconsin Department of Transportation

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel E
Parcel Size: 11.98

Associated Sites: BAAP-012
Transfer Date: 200409
Current Land Use: Agricultural
Future Land Use: Agricultural

Encumbrances: none

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: USDA Dairy Forage Research Center

Parcel Name: Parcel F
Parcel Size: 20.19

Associated Sites: BAAP-012, BAAP-33

Transfer Date: 200409
Current Land Use: Agricultural
Future Land Use: Agricultural
Encumbrances: none

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: USDA Dairy Forage Research Center

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel G
Parcel Size: 45.10
Associated Sites:
Transfer Date: 200507
Current Land Use: Agricultural
Future Land Use: Agricultural

Encumbrances: none

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: USDA Dairy Forage Research Center

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel H
Parcel Size: 44.60

Associated Sites: BAAP-012, BAAP-35, BAAP-43, BAAP-33

Transfer Date: 201409

Current Land Use: Other (storage & explosive decontamination of metal equip)

Future Land Use: Agricultural

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: USDA Dairy Forage Research Center

Parcel Name: Parcel H1
Parcel Size: 29.06

Associated Sites: BAAP-012, BAAP-43

Transfer Date: 201409

Current Land Use: Other (storage of explosive items awaiting decon)

Future Land Use: Agricultural

Encumbrances: N/A

Leases/Permits/Licenses: N/A

**Transfer Strategy:** Transfer to Other Federal Agencies

Recipient Organization: USDA Dairy Forage Research Center

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel I
Parcel Size: 16.85
Associated Sites:
Transfer Date: 200509

Current Land Use: Other (Closed landfill )

Future Land Use: Other (closed landfill/wildlife area )

Encumbrances: none

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: USDA Dairy Forage Research Center

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel J Parcel Size: 9.91

Associated Sites: BAAP-012 Transfer Date: 201103

Current Land Use: Other (disposal of inert materials)

Future Land Use: Other (wildlife area)

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: USDA Dairy Forage Research Center

Parcel Name: Parcel K
Parcel Size: 1,168.42
Associated Sites: BAAP-012

Transfer Date: 201005

Current Land Use: Other (wildlife, agriculture, clay & sand borrow)

Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel K1 Parcel Size: 12.30

Associated Sites: BAAP-012, BAAP-35

Transfer Date: 201005

Current Land Use: Other (closed landfill/wildlife)

Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel K2
Parcel Size: 17.29

Associated Sites: BAAP-012, BAAP-35

Transfer Date: 201005

Current Land Use: Other (closed remediation site with long term maintenance)

Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Parcel Name: Parcel K3

Parcel Size: 1.14
Associated Sites:
Transfer Date: 201005

Current Land Use: Other (wildlife area)
Future Land Use: Other (park land)

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel K4
Parcel Size: 54.95
Associated Sites:
Transfer Date: 201309

Current Land Use: Other (inactive propellant manufacturing area)

Future Land Use: Other (park land)

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: National Park passthrough to WI Dept of Natl Resou

Other Issues Affecting Transfer: Originally approved by BIA for HCN. BIA declined Aug2011. HCN trying to change that

decision. GSA offered to WDNR Feb. 29, 2012.

Parcel Name: Parcel L Parcel Size: 199.38

Associated Sites: BAAP-012 Transfer Date: 201005

Current Land Use: Other (agriculture, wildlife area )

Future Land Use: Other (park land)

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Parcel Name: Parcel M Parcel Size: 385.31

**Associated Sites:** BAAP-012 **Transfer Date:** 201005

Current Land Use: Other (wildlife area )
Future Land Use: Other (park land)

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel M1
Parcel Size: 160.60

Associated Sites: BAAP-001, BAAP-012

Transfer Date: 201409

Current Land Use: Other (wildlife area, remediation area)

Future Land Use: Other (park land)

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to Wisconsin DNR

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel M2
Parcel Size: 17.97

**Associated Sites:** BAAP-012 **Transfer Date:** 201005

Current Land Use: Other (monofill for dredging sediments)
Future Land Use: Other (closed monofill/ park land )

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Parcel Name: Parcel M3

Parcel Size: 1.00
Associated Sites:
Transfer Date: 201409

Current Land Use: Other (inactive cemetery maintained by Army)

Future Land Use: Other (active cemetery operated by cemetery association)

Encumbrances: N/A

**Leases/Permits/Licenses:** N/A **Transfer Strategy:** Public Sale

Recipient Organization: Town of Sumpter Other Issues Affecting Transfer:N/A

Parcel Name: Parcel N
Parcel Size: 4.56
Associated Sites:
Transfer Date: 201005

**Current Land Use:** Other (inactive water pumping station)

Future Land Use: Other (park land)

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel O
Parcel Size: 332.17

Associated Sites: BAAP-012 Transfer Date: 201409

Current Land Use: Other (wild life area )

Future Land Use: Other (buffalo grazing, cultural activities)

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Parcel Name: Parcel O1
Parcel Size: 3.89
Associated Sites:
Transfer Date: 201409

Current Land Use: Other (inactive water filtration plant)

Future Land Use: Other (buffalo grazing, cultural activities)

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: Originally approved by BIA for Ho-Chunk Nation. BIA declined August 2011. HCN trying to

change that decision. GSA offered to WDNR Feb. 29, 2012.

Parcel Name: Parcel O2

Parcel Size: .03
Associated Sites:
Transfer Date: 201409

Current Land Use: Other (inactive cemetery maintained by Army )

Future Land Use: Other (cemetery operated by cemetery association)

**Encumbrances:** N/A

**Leases/Permits/Licenses:** N/A **Transfer Strategy:** Public Sale

Recipient Organization: Town of Sumpter Other Issues Affecting Transfer:N/A

Parcel Name: Parcel O3
Parcel Size: 12.85

Associated Sites: BAAP-012 Transfer Date: 201312

Current Land Use: Other (rocket motor static firing )

Future Land Use: Other (buffalo grazing & cultural activities)

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: National Park passthrough to WI Dept of Natl Resou

Other Issues Affecting Transfer: Originally approved by BIA for Ho-Chunk Nation. BIA declined August 2011. HCN trying to

Parcel Name: Parcel O4
Parcel Size: 10.35
Associated Sites:
Transfer Date: 201309

**Current Land Use:** Other (inactive propellant production area ) **Future Land Use:** Other (buffalo grazing and cultural activities)

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: National Park passthrough to WI Dept of Natl Resou

Other Issues Affecting Transfer: Originally approved by BIA for Ho-Chunk Nation. BIA declined August 2011. HCN trying to

change that decision. GSA offered to WDNR Feb. 29, 2012.

Parcel Name: Parcel O5
Parcel Size: 14.41
Associated Sites:
Transfer Date: 201309

Current Land Use: Other (inactive propellant test area )
Future Land Use: Other (buffalo grazing and cultural activities)

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: Nat'l Park Svc passthrough to WI Dpt Natl Resource

Other Issues Affecting Transfer: Originally approved by BIA for Ho-Chunk Nation. BIA declined August 2011. HCN trying to

change that decision. GSA offered to WDNR Feb. 29, 2012.

Parcel Name: Parcel O6
Parcel Size: 2.56
Associated Sites:
Transfer Date: 201409

Current Land Use: Other (inactive cemetery maintained by Army)

Future Land Use: Other (active cemetery operated by cemetery association)

**Encumbrances:** N/A

Leases/Permits/Licenses: N/A Transfer Strategy: Public Sale

Recipient Organization: Town of Sumpter Other Issues Affecting Transfer:N/A

Parcel Name: Parcel O7
Parcel Size: 33.00
Associated Sites:
Transfer Date: 201309

**Current Land Use:** Other (inactive propellant manufacturing area ) **Future Land Use:** Other (buffalo grazing and cultural activities )

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: Nat'l Park Svc passthrough to WI Dept of Nat'l Rsc

Other Issues Affecting Transfer: Originally approved by BIA for Ho-Chunk Nation. BIA declined August 2011. HCN trying to

change that decision. GSA offered to WDNR Feb. 29, 2012.

Parcel Name: Parcel P1
Parcel Size: 68.14

Associated Sites: BAAP-012, BAAP-43

Transfer Date: 201309

Current Land Use: Other (inactive propellant production support area )

Future Land Use: Other (buffalo grazing and cultural activities)

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: Nat'l Park Svc passthru to WI Dept Natrl Resources

Other Issues Affecting Transfer: Originally approved by BIA for Ho-Chunk Nation. BIA declined August 2011. HCN trying to

change that decision. GSA offered to WDNR Feb. 29, 2012.

Parcel Name: Parcel P2
Parcel Size: 161.64

Associated Sites: BAAP-012 Transfer Date: 201104

**Current Land Use:** Other (inactive propellant manufacturing area ) **Future Land Use:** Other (buffalo raising and cultural activities )

**Encumbrances:** N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to Wisconsin DNR

Parcel Name: Parcel P3
Parcel Size: 30,25

**Associated Sites:** BAAP-012 **Transfer Date:** 201309

Current Land Use: Other (inactive nitroglycerine production area )

Future Land Use: Other (park land )

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to Wisconsin DNR

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel P4
Parcel Size: 47.13

Associated Sites: BAAP-012 Transfer Date: 201312

Current Land Use: Other (grazing and wildlife)

Future Land Use: Other (park land)

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to Wisconsin DNR

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel P5
Parcel Size: 78.32

Associated Sites: BAAP-012
Transfer Date: 201104
Current Land Use: N/A
Future Land Use: N/A
Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to Wisconsin DNR

Parcel Name: Parcel P6
Parcel Size: 43.25

Associated Sites: BAAP-43
Transfer Date: 201104
Current Land Use: N/A
Future Land Use: N/A
Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to Wisconsin DNR

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel Q1
Parcel Size: 43.52
Associated Sites:
Transfer Date: 201312
Current Land Use: N/A
Future Land Use: N/A
Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: Originally approved by BIA for Ho-Chunk Nation. BIA declined August 2011. HCN trying to

change that decision. GSA offered to WDNR Feb. 29, 2012.

Parcel Name: Parcel Q2
Parcel Size: 145.56
Associated Sites:
Transfer Date: 201312
Current Land Use: N/A
Future Land Use: N/A
Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: Originally approved by BIA for Ho-Chunk Nation. BIA declined August 2011. HCN trying to

Parcel Name: Parcel Q3
Parcel Size: 239,22

Associated Sites: BAAP-012 Transfer Date: 201309 Current Land Use: N/A

Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: Originally approved by BIA for Ho-Chunk Nation. BIA declined August 2011. HCN trying to

change that decision. GSA offered to WDNR Feb. 29, 2012.

Parcel Name: Parcel R
Parcel Size: 93.68

Associated Sites: BAAP-012, BAAP-43

Transfer Date: 201309

Current Land Use: Recreational Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: Originally approved by BIA for Ho-Chunk Nation. BIA declined August 2011. HCN trying to

change that decision. GSA offered to WDNR Feb. 29, 2012.

Parcel Name: Parcel R1
Parcel Size: 14.11

Associated Sites: BAAP-012, BAAP-43

Transfer Date: 201309

Current Land Use: Recreational Future Land Use: Recreational

**Encumbrances:** N/A

Leases/Permits/Licenses: N/A

**Transfer Strategy:** Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: Originally approved by BIA for Ho-Chunk Nation. BIA declined August 2011. HCN trying to

Parcel Name: Parcel R2

Parcel Size: 1.01
Associated Sites:
Transfer Date: 201202

Current Land Use: Other (Drinking water well)
Future Land Use: Other (Drinking water well)

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: US HHS passthrough to Bluffview Sanitary District

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel R3
Parcel Size: 35.75

Associated Sites: BAAP-43, CC-BAAP-44

Transfer Date: 201309
Current Land Use: Commercial
Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel R4
Parcel Size: 29.01
Associated Sites:
Transfer Date: 201209

Current Land Use: Recreational Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to Wisconsin DNR

Parcel Name: Parcel S1
Parcel Size: 35.40

Associated Sites: BAAP-43, CC-BAAP-44

Transfer Date: 201309

Current Land Use: Recreational Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel S2
Parcel Size: 87.48
Associated Sites:
Transfer Date: 201109

Current Land Use: Recreational Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to Wisconsin DNR

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel S3
Parcel Size: 39.67

Associated Sites: BAAP-012, BAAP-43, CC-BAAP-44

Transfer Date: 201209

Current Land Use: Recreational Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to Wisconsin DNR

Parcel Name: Parcel S4
Parcel Size: 9.83
Associated Sites:
Transfer Date: 201312

Current Land Use: Recreational Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: Originally approved by BIA for Ho-Chunk Nation. BIA declined August 2011. HCN trying to

change that decision. GSA offered to WDNR Feb. 29, 2012.

Parcel Name: Parcel S5
Parcel Size: 15.71

**Associated Sites:** BAAP-43 **Transfer Date:** 201309

Current Land Use: Recreational Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: Originally approved by BIA for Ho-Chunk Nation. BIA declined August 2011. HCN trying to

change that decision. GSA offered to WDNR Feb. 29, 2012.

Parcel Name: Parcel T Parcel Size: 15.44

Associated Sites: BAAP-012 Transfer Date: 201202 Current Land Use: Industrial Future Land Use: Industrial Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: US HHS passthrough to Bluffview Sanitary District

Parcel Name: Parcel T1
Parcel Size: 147.41

Associated Sites: BAAP-001, BAAP-012, BAAP-33

Transfer Date: 201309
Current Land Use: Industrial
Future Land Use: N/A
Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: US HHS passthrough to Bluffview Sanitary District

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel U2 Parcel Size: 100.43

Associated Sites: BAAP-012 Transfer Date: 201312

Current Land Use: Recreational Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: Originally approved by BIA for Ho-Chunk Nation. BIA declined August 2011. HCN trying to

change that decision. GSA offered to WDNR Feb. 29, 2012.

Parcel Name: Parcel U3
Parcel Size: 130.72
Associated Sites:
Transfer Date: 201309

Current Land Use: Recreational Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: Originally approved by BIA for Ho-Chunk Nation. BIA declined August 2011. HCN trying to

Parcel Name: Parcel V
Parcel Size: 291.15

**Associated Sites:** BAAP-012 **Transfer Date:** 201309

Current Land Use: Recreational Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to Wisconsin DNR

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel V1
Parcel Size: 96.08

Associated Sites: BAAP-012, BAAP-35

Transfer Date: 201409

Current Land Use: Other (active permitted demolition landfill )

Future Land Use: Other (inactive, capped landfill )

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel V2
Parcel Size: 22.15
Associated Sites:
Transfer Date: 201309

Current Land Use: Recreational Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to Wisconsin DNR

Parcel Name: Parcel V3
Parcel Size: 342.03
Associated Sites:
Transfer Date: 201309

Current Land Use: Recreational Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to Wisconsin DNR

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel W Parcel Size: 47.39

Associated Sites: BAAP-012 Transfer Date: 201005

Current Land Use: Other (restored prairie)
Future Land Use: Other (restored prairie)

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel X1
Parcel Size: 58.33
Associated Sites:
Transfer Date: 201309

Current Land Use: Recreational Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: Originally approved by BIA for Ho-Chunk Nation. BIA declined August 2011. HCN trying to

Parcel Name: Parcel X2
Parcel Size: 42.37

**Associated Sites:** BAAP-43 **Transfer Date:** 201309

Current Land Use: Recreational Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: Originally approved by BIA for Ho-Chunk Nation. BIA declined August 2011. HCN trying to

change that decision. GSA offered to WDNR Feb. 29, 2012.

Parcel Name: Parcel X3
Parcel Size: 36.95

Associated Sites: BAAP-43 Transfer Date: 201309

Current Land Use: Recreational Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: Originally approved by BIA for Ho-Chunk Nation. BIA declined August 2011. HCN trying to

change that decision. GSA offered to WDNR Feb. 29, 2012.

Parcel Name: Parcel Y
Parcel Size: 68.15

**Associated Sites:** BAAP-43 **Transfer Date:** 201309

Current Land Use: Recreational Future Land Use: Other (park land)

**Encumbrances:** N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: Originally approved by BIA for Ho-Chunk Nation. BIA declined August 2011. HCN trying to

Parcel Name: Parcel Y1
Parcel Size: 32.87

**Associated Sites**: BAAP-43 **Transfer Date**: 201309

Current Land Use: Recreational Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to Wisconsin DNR

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel Y2
Parcel Size: 24.32

Associated Sites: BAAP-43, CC-BAAP-44

Transfer Date: 201309

Current Land Use: Recreational Future Land Use: Recreational

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Public Benefit Conveyance (PBC)

Recipient Organization: National Park Service passthrough to WDNR

Other Issues Affecting Transfer: Originally approved by BIA for Ho-Chunk Nation. BIA declined August 2011. HCN trying to

### **BADGER ARMY AMMUNITION PLANT**

Non-BRAC Excess
Installation Restoration Program

### **IRP Summary**

#### Installation Total Army Environmental Database-Restoration (AEDB-R) Sites/Closeout Sites Count: 37/31

#### Installation Site Types with Future and/or Underway Phases

1 Burn Area

(BAAP-33)

2 Contaminated Ground Water

(BAAP-012, BAAP-43)

1 Contaminated Sediments

(BAAP-40)

1 Landfill

(BAAP-35)

1 Surface Impoundment/Lagoon

(BAAP-001)

#### **Most Widespread Contaminants of Concern**

Explosives, Metals, Petroleum, Oil and Lubricants (POL), Polychlorinated Biphenyls (PCB), Volatiles (VOC)

#### **Media of Concern**

Groundwater, Sediment, Soil

| Completed Remedial Actions (Interim Remedial Actions / Final Remedial Actions (IRA/FRA)) |   |        |                        |      |           |
|--|---|--------|------------------------|------|-----------|
| Site ID  | Site Name                                     | Action | Remedy                 | FY   | Cost      |
| BAAP-010   | NEW ACID AREA                                 | IRA    | CAPPING                | 1987 | TBD       |
| BAAP-004   | EXISTING LANDFILL (LANDFILL #5)               | IRA    | CAPPING                | 1990 | TBD       |
| BAAP-34  | PROP BRNG GRD - THERM TRTMT UNT/RACETRCK      | FRA    | WASTE REMOVAL - SOILS  | 1995 | TBD       |
| BAAP-005   | NITROGLYCERINE Pond                           | FRA    | DRAINAGE CONTROLS      | 1996 | \$143.3 K |
| BAAP-33  | PROP BRNG GRD -<br>CONTAMINATED WASTE<br>PITS | FRA    | GROUND WATER TREATMENT | 1997 | TBD       |
| BAAP-33  | PROP BRNG GRD -<br>CONTAMINATED WASTE<br>PITS | IRA    | GROUND WATER TREATMENT | 1997 | TBD       |
| BAAP-38  | TRANSFORMER YARD - PCB IN SOIL                | FRA    | WASTE REMOVAL - SOILS  | 1997 | TBD       |
| BAAP-34  | PROP BRNG GRD - THERM<br>TRTMT UNT/RACETRCK   | FRA    | WASTE REMOVAL - SOILS  | 1998 | \$6.0 K   |
| BAAP-34  | PROP BRNG GRD - THERM<br>TRTMT UNT/RACETRCK   | FRA    | NATURAL ATTENUATION    | 1998 | TBD       |
| BAAP-35  | CAP & COVER<br>MAINTENANCE                    | FRA    | CAPPING                | 1998 | \$962.9 K |
| BAAP-35  | CAP & COVER<br>MAINTENANCE                    | FRA    | CAPPING                | 1998 | \$469.5 K |
| BAAP-37  | POWERHOUSE # 1 SOIL OLD FUEL SPILLS           | FRA    | FREE PRODUCT RECOVERY  | 1998 | TBD       |
| BAAP-35  | CAP & COVER<br>MAINTENANCE                    | FRA    | CAPPING                | 1999 | TBD       |
| BAAP-33  | PROP BRNG GRD -<br>CONTAMINATED WASTE<br>PITS | FRA    | WASTE REMOVAL - SOILS  | 2000 | TBD       |
| BAAP-37  | POWERHOUSE # 1 SOIL OLD FUEL SPILLS           | FRA    | BIOVENTING             | 2000 | TBD       |
| BAAP-005   | NITROGLYCERINE Pond                           | FRA    | WASTE REMOVAL - SOILS  | 2001 | TBD       |
| BAAP-006   | DETERRENT BURNING<br>GROUND                   | IRA    | WASTE REMOVAL - SOILS  | 2001 | TBD       |

## **IRP Summary**

| Completed R<br>Site ID | emedial Actions (Interim Reme<br>Site Name    | dial Action<br>Action | ns / Final Remedial Actions (IRA/FRA))<br>Remedy | FY   | Cost        |
|------------------------|---|-----------------------|--|------|-------------|
| BAAP-006               | DETERRENT BURNING<br>GROUND                   | FRA                   | CAPPING  | 2003 | \$1,475.0 K |
| BAAP-008               | ROCKET PASTE AREA                             | FRA                   | WASTE REMOVAL - SOILS                            | 2003 | \$55.0 K    |
| BAAP-36                | EAST & WEST ROCKET AREA DITCHES               | AFRA                  | WASTE REMOVAL - SOILS                            | 2003 | \$40.0 K    |
| BAAP-006               | DETERRENT BURNING GROUND                      | FRA                   | BIOREMEDITATION - IN SITU                        | 2004 | \$525.0 K   |
| BAAP-009               | OLD ACID AREA                                 | IRA                   | FUGITIVE DUST COVER/CONTROL                      | 2005 | TBD         |
| BAAP-37                | POWERHOUSE # 1 SOIL OLD FUEL SPILLS           | FRA                   | REMOVAL  | 2006 | TBD         |
| BAAP-33                | PROP BRNG GRD -<br>CONTAMINATED WASTE<br>PITS | FRA                   | BIOREMEDITATION - IN SITU                        | 2007 | TBD         |
| BAAP-40                | GRUBER'S GROVE BAY                            | IRA                   | REMOVAL  | 2007 | TBD         |
| BAAP-42                | Box Wash Accounts 1890-1&2                    | FRA                   | WASTE REMOVAL - SOILS                            | 2007 | \$191.0 K   |
| BAAP-001               | SETTLING PONDS/SPOILS<br>DISPOSAL AREA        | IRA                   | WASTE REMOVAL - SOILS                            | 2008 | TBD         |
| BAAP-009               | OLD ACID AREA                                 | FRA                   | WASTE REMOVAL - SOILS                            | 2008 | TBD         |
| BAAP-33                | PROP BRNG GRD -<br>CONTAMINATED WASTE<br>PITS | FRA                   | OTHER  | 2008 | TBD         |
| BAAP-001               | SETTLING PONDS/SPOILS<br>DISPOSAL AREA        | IRA                   | WASTE REMOVAL - SOILS                            | 2009 | TBD         |
| BAAP-33                | PROP BRNG GRD -<br>CONTAMINATED WASTE<br>PITS | FRA                   | CAPPING  | 2009 | TBD         |
| BAAP-012               | GW Monitoring ON and OFF Post                 | IRA                   | ALTERNATE WATER SUPPLY/WATER SUPPLY TREATMENT    | 2012 | TBD         |

#### **Duration of IRP**

Year of IRP Inception: 197701

Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC): 201512/202009

Date of IRP completion including Long Term Management (LTM): 205403

#### **IRP Contamination Assessment**

#### **Contamination Assessment Overview**

In the 1940s, the US government acquired more than 10,000 acres to construct BAAP. In 1942, the construction of the propellant plant began on farmland composed of topsoil (up to 10 feet of clay silt loess) over very permeable sand and gravel deposits. The installation was the largest propellant manufacturing plant constructed in World War II. It also made propellants for the Korean and Vietnam conflicts. Active propellant manufacturing ceased in 1976.

Studies conducted during the late-1970s and early-1980s discovered materials such as propellant grains, dinitrotoluene (DNT), nitroglycerine, organic solvents, lead compounds and acids, used during production were potential soil and groundwater contaminants. In 1987, a preliminary assessment (PA) and site inspection (SI) were conducted and documented in the Master Environmental Plan. Some volatile organic compounds (VOC), such as the solvent carbon tetrachloride, had migrated through the soil to the groundwater located 90 to 110 feet (ft) below ground surface. The contaminants then moved with the groundwater, which generally flows to the south.

Contaminants have been found in soil at varying depths as well as in groundwater. Contamination from production discharge water also has been identified in the bottom sediments of now-dry, man-made settling ponds. This discharge also emptied into the waters of Lake Wisconsin at Gruber's Grove Bay.

In September 1987, based on information developed during the PA, the WDNR issued an in-field condition report (IFCR) for BAAP. The IFCR contained requirements to conduct an RI/FS for specified sites on the installation. Over the years the IFCR has been modified by the state as necessary, under their Resource Conservation and Recovery Act (RCRA) authority from USEPA, to keep it current and address the latest findings and decisions regarding the installation cleanup program.

In 1988, the installation also received a hazardous waste operations and storage license in accordance with the RCRA Part B permit process. Issued jointly by the USEPA Region V and the WDNR, it included specific requirements for an investigation at each of the potentially contaminated sites previously identified. It also provided for a phased study program based on a prioritized ranking. This license was renewed in 1998 for storage only and was no longer needed in 2003 when the storage facility was closed.

BAAP was nominated for the NPL, but was not listed. The remediation program is proceeding under the RCRA authority delegated by USEPA to the state in 1994, but the terminology used follows the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA). The WDNR regulates the Army's remedial efforts. The USEPA involvement continues only in an advisory/assistance role.

Over the years the IFCR identified sites have been investigated and remediated. Additional problems found during the demolition and investigation of the production areas have been addressed. There are two capped disposal areas (DPG and PBG) where residuals chemicals remain and groundwater contamination has moved away from these sites as distinct plumes. A third plume has been identified, but no specific site was identified. All the plumes appear to be stable or decreasing through natural attenuation. The maintenance of the source caps and the monitoring of groundwater conditions will continue for many years.

Four home wells found to be significantly impacted by the PBG plume were replaced in the 1990s. Two other homes found to be significantly impacted by the third plume were replaced in the 2000s. A public water system is proposed by the Army as part of the final remedy for the problem, to provide reliable clean water to all residences in the potential area of impact from the three plumes.

#### Cleanup Exit Strategy

Building demolition, asbestos and explosive safety certifications, followed by soil sampling is proceeding in the last few parcels and is expected to be completed in FY2013. Shut down of the groundwater pump-and-treat systems started in December 2012 and will proceed if no negative impacts are found. The on-site demolition waste landfill will be closed and capped in 2013. Transfers of the remaining parcels out of Army control, achieving no further action (NFA) status in Gruber's Grove Bay, installing a municipal water system to prevent human exposure to impacted groundwater, and monitoring natural attenuation and capped sites to meet long term state requirements will be done in the coming years.

# **IRP Previous Studies**

| 1973<br>Air Pollution En       | gineering General Survey NO. 21-001-                       |  |          |
|--------------------------------|--|--|----------|
| Air Pollution En               | gineering General Survey NO. 21-001-                       |  |          |
| 74                             | ,  | US Army Environmental Hygiene Agency         | OCT-1973 |
| 1977                           |  |  |          |
| Installation Ass               | essment of BAAP  | Installation                                 | MAY-1977 |
| 1978                           |  |  |          |
|                                | Special Study No. 24-0039-78                               | Installation                                 | MAR-1978 |
| 1980                           |  | 1  |          |
| ·                              | Deterrent Burning Grounds, BAAP                            | Installation                                 | MAY-1980 |
|                                | vironmental Survey, BAAP                                   | Installation                                 | MAY-1980 |
| 1981                           |  |  |          |
|                                | nination Survey, Final Report                              | Installation                                 | MAR-1981 |
| 1983                           |  |  |          |
| Environmental<br>BAAP          | Assessment for Total Plant Operation                       | Installation                                 | MAY-1983 |
| 1984                           |  |  |          |
| Near-Surface S                 | oils Investigations at BAAP                                | Installation                                 | OCT-1984 |
| 1985                           |  |  |          |
|                                | eport for Soil Sampling, Analysis and                      | Installation                                 | SEP-1985 |
|                                | ettling Ponds Spoils Site at BAAP                          |  |          |
| 1987                           | CUMENTATION APPROVAL,                                      | Wisconsin Department of                      | JUL-1987 |
|                                | ION/STABILIZATION POND, NEW ACID                           | Natural Resources                            | JOL-1907 |
| 1988                           | ,  |  | 1        |
| Geophysical In                 | vestigation At An Existing Landfill, BAAP                  | Installation                                 | MAY-1988 |
| 1989                           |  |  |          |
| APPROVAL, B                    | R, CLOSURE DOCUMENTATION ADGER ARMY AMMUNITION PLANT       | Wisconsin Department of<br>Natural Resources | SEP-1989 |
| 1990                           | 113), SAUK CO. (CD)  |  |          |
| High Capacity \                | Well Survey Report (Recommends Off-Plant Monitoring Wells) | Installation                                 | JUN-1990 |
| An Investigation near the BAAP | n of Cancer Mortality for Communities                      | Installation                                 | JUL-1990 |
| Environmental .                | Assessment for Removal of Barricades                       | Installation                                 | SEP-1990 |
| Health Assessr                 | nent BAAP  | Installation                                 | SEP-1990 |
| Graf Well Resu                 | Its with Suspect Metatrace                                 | Installation                                 | OCT-1990 |
| Graf Well Resu                 | lts without Metatrace Data                                 | Installation                                 | OCT-1990 |
|                                | Assessment for Layaway of<br>Naste Processor               | Installation                                 | OCT-1990 |
| 1991                           |  |  | ,        |
| Geophysical In                 | vestigation at an Existing Landfill, BAAP                  | Installation                                 | APR-1991 |
|                                | er Biological Study No. 32-24-0025-91,<br>7 Testing, BAAP  | Installation                                 | MAY-1991 |

|      | Title   | Author                                       | Date     |
|------|---|--|----------|
| 1991 |   |  |          |
|      | Environmental Assessment and Finding of No Significant<br>Impact for Agricultural Leasing: Fertilization Policy<br>Change | Installation                                 | JUN-1991 |
|      | Finding Of No Significant Impact For Prove-out - Nitric Acid/Sulfuric Acid Concentrator (NAC/SAC) Facilities At BAAP      | Installation                                 | JUN-1991 |
|      | Dinitrotoluene in Deer Tissues Final Report   | Installation                                 | SEP-1991 |
| 1992 |   |  |          |
|      | 2,4 And 2,6 Dinitrotoluene Health Advisory  | Installation                                 | APR-1992 |
| 1993 |   |  |          |
|      | Gruber's Grove Bay Investigation Summary  | Installation                                 | FEB-1993 |
|      | Groundwater Narrative Historical Summary Report -<br>Badger AAP Volumes I, II and III                                     | Installation                                 | MAR-1993 |
|      | Leachability of Selected Chemical Elements from Concrete  | Installation                                 | MAR-1993 |
|      | Final Remedial Investigation Report, Volumes I and II, Appendices A Through R   | Installation                                 | APR-1993 |
|      | BAAP Monitoring Well Results - Volumes I, II, and III   | Installation                                 | JUN-1993 |
|      | BAAP Groundwater Tests - Private Wells  | Installation                                 | SEP-1993 |
|      | WDNR LETTER, CLOSURE OF 18,000-GALLON FUEL OIL TANK (CD)  | Wisconsin Department of<br>Natural Resources | SEP-1993 |
| 1994 |   |  |          |
|      | Groundwater Narrative Historical Summary Report - Volumes I, II, and III  | Installation                                 | MAY-1994 |
|      | Badger Army Ammunition Plant Groundwater Hydrology  | Installation                                 | MAY-1994 |
|      | BAAP Groundwater Private Well Test Results  | Installation                                 | SEP-1994 |
| 1995 |   |  |          |
|      | BAAP Groundwater Hydrology  | Installation                                 | MAY-1995 |
|      | Natural Attenuation Study for Racetrack Area Soil   | Installation                                 | OCT-1995 |
| 1996 |   |  |          |
|      | Delineation of Subsurface Soil Impacts at Refuse Pits Located At The South End Of The PBG                                 | Installation                                 | JAN-1996 |
|      | Health Risk Assessment - Heavy Metal Uptake in<br>Terrestrial Insects - Specifications, Design Analysis                   | Installation                                 | FEB-1996 |
|      | Racetrack Area Waste Pile Delineation/Characterization - Final Remedial Investigation Report                              | Installation                                 | JUL-1996 |
|      | CLOSURE DOCUMENTATION OF THE HAZARDOUS WASTE THERMAL TREATMENT UNIT IN THE PROPELLANT BURNING GROUND AT BADGER (CD)       | Wisconsin Department of<br>Natural Resources | SEP-1996 |
|      | Small Mammal Survey   | Installation                                 | NOV-1996 |
|      | Infrastructure Remedial Environmental Study   | Installation                                 | DEC-1996 |
| 1997 |   |  |          |
|      | MIRM Vapor Phase Carbon Adsorption Report   | Installation                                 | FEB-1997 |
|      | Bench Scale Soil Washing Treatability Study   | Installation                                 | MAY-1997 |
|      | Northeast Boundary Area Groundwater Study   | Installation                                 | MAY-1997 |
|      | Evaluation of Groundwater Conditions - Deterrent  | Installation                                 | MAY-1997 |

| 1997 | Title  | Author  | Date     |
|------|--|---|----------|
| 1997 | Burning Grounds  |   |          |
|      | Deterrent Burning Ground Subsurface Investigation  | Installation  | DEC-1997 |
| 4000 | FINAL RI REPORT, RACETRACK AREA WASTE PILE<br>DELINEATION/CHARACTERIZATION & DATA<br>REPORT-DELINEATION OF SUBSURFACE SOIL (CD)                  | Wisconsin Department of<br>Natural Resources                                    | DEC-1997 |
| 1998 | Alternative Feasibility Study Soil, Sediment, and Surface  | Installation  | ADD 1000 |
|      | Water Nitroglycerine, Rocket Paste, and Overflow Ponds   |   | APR-1998 |
|      | BAAP Groundwater Hydrology Report  | Installation  | JUN-1998 |
|      | Alternative Feasibility Study (FS) for the DBG and PBG Waste Pits Subsurface Soil at BAAP  | Installation  | JUL-1998 |
| 1999 |  |   |          |
|      | REPORT ON GAS & DIESEL TANK REMOVAL DONE<br>IN 1998 & WDNR LETTER, NO FURTHER ACTION ON<br>GAS & DIESEL TANKS PER NR 708, WIS. ADM. CODE<br>(CD) | Ramaker & Associates,<br>Inc. & Wisconsin<br>Department of Natural<br>Resources | JAN-1999 |
|      | Corrective Measures Implementation Report Nitroglycerine, Overflow, And Rocket Paste Ponds   | Installation  | JAN-1999 |
|      | Plexus Scientific Environmental Baseline Survey  | Installation  | JAN-1999 |
|      | Corrective Measures Implementation Report Rocket Ditches Area BAAP   | Installation  | JAN-1999 |
|      | REPORT ON GAS & DIESEL TANK REMOVAL DONE<br>IN 1998 & WDNR LETTER, NO FURTHER ACTION ON<br>GAS & DIESEL TANKS PER NR 708, WIS. ADM. CODE<br>(CD) | Ramaker & Associates,<br>Inc. & Wisconsin<br>Department of Natural<br>Resources | MAR-1999 |
|      | 1949 PIT CLOSURE (CD)  | Wisconsin Department of Natural Resources                                       | MAR-1999 |
|      | Badger Army Ammunition Plant Independent Technical Review Final Recommendations Report   | Installation  | MAY-1999 |
|      | BAAP Monitoring Well Results   | Installation  | MAY-1999 |
|      | Technical Report Natural Attenuation Screening Study Propellant Burning Ground   | Installation  | AUG-1999 |
| 2000 |  |   |          |
|      | BAAP Groundwater Program Private Well Results  | Installation  | MAR-2000 |
|      | 2000 Groundwater Narrative Summary Report  | Installation  | MAY-2000 |
|      | WDNR LETTER, CLOSURE OF THE NG POND, THE ROCKET PASTE POND & ROCKET DITCHES (CD)   | Wisconsin Department of<br>Natural Resources                                    | JUL-2000 |
| 2001 |  |   |          |
|      | Gruber's Grove Bay Dredging Project Lake Wisconsin,<br>Sauk County   | Installation  | JAN-2001 |
|      | Badger AAP Monitoring Well Results   | Installation  | MAR-2001 |
| 2002 |  | 1   | 1        |
|      | USDA Evaluation of Suspect Soil At Fence Lines And Railroad Track, Badger Army Ammunition Plant  | Installation  | FEB-2002 |
|      | WDNR LETTER, BALLISTICS POND (CD)  | Wisconsin Department of<br>Natural Resources                                    | APR-2002 |
|      | WDNR LETTER, OLEUM PLANT LANDFILL, BADGER<br>ARMY AMMUNITION PLANT, SAUK COUNTY (CD)   | Wisconsin Department of<br>Natural Resources                                    | APR-2002 |
|      | FINAL DETERMINATION OF REMEDY FOR THE  | Wisconsin Department of   | OCT-2002 |

|      | Title  | Author                                       | Date         |
|------|--|--|--------------|
| 2002 |  |  |              |
|      | DETERRENT BURNING GROUND (CD)  | Natural Resources                            |              |
| 2003 |  | 1  |              |
|      | USDA Summary of Soil Sampling Activities -   | Installation                                 | JAN-2003     |
|      | USDA/Badger Army Ammunition Plant  | motanation                                   | 07117 2000   |
|      | 2003 Groundwater Narrative Summary Report  | Installation                                 | MAR-2003     |
|      | FUDS SITES (CD)  | Wisconsin Department of                      | NOV-2003     |
|      | , ,  | Natural Resources                            |              |
| 2004 |  |  |              |
|      | 2004 Groundwater Narrative Summary   | Installation                                 | JAN-2004     |
|      | Badger Army Ammunition Plant Environmental Site  | Installation                                 | DEC-2004     |
|      | Assessment   |  |              |
| 2005 |  |  |              |
|      | WDNR LETTER, NO ACTION REQUIRED, BALLISTICS  | Wisconsin Department of                      | JAN-2005     |
|      | DITCHES (CD)   | Natural Resources                            | 1441 0005    |
|      | Groundwater Narrative Summary Report   | SpecPro                                      | JAN-2005     |
|      | WDNR LETTER, OLEUM POND (CD)   | Wisconsin Department of Natural Resources    | MAR-2005     |
|      | Final Report on Residual Dinitrotoluenes in Settling   | Georgia Institute of                         | JUN-2005     |
|      | Ponds and Spoils Disposal Area Soils at BAAP:  | Technology                                   |              |
| 2006 | Microcosm and Soil Column Studies  | 1  |              |
| 2000 | March 2006 Groundwater Cert. & Exceedance Reports,   | Department of the                            | MAR-2006     |
|      | All Hits Report, Sampled Wells List, & Sampled Wells By  | Army/Specpro, Inc.                           | WAK-2000     |
|      | Frequency Map (CD)   | ,y, <b>G</b> peepre,e.                       |              |
|      | Bench Scale Study Report, Verification of Field Test   | Shaw Environmental, Inc.                     | APR-2006     |
|      | Methods for NC & NG - Spiked Samples of Soil &   |  |              |
|      | Building Materials (Rev. 1)  | Menzie-Cura &                                | ADD 2006     |
|      | Draft Report, Ecological Risk Assessment Re-<br>Evaluation, Settling Ponds & Spoils Disposal Areas Site, | Associates, Inc./Specpro,                    | APR-2006     |
|      | Badger AAP   | Inc  |              |
|      | Site Assessment Report, Parcels K4, O, P3, And P5,   | Department of the                            | APR-2006     |
|      | Underground Storage Tank Investigation (CD)  | Army/Specpro, Inc                            |              |
|      | Dept. of the Army Letter Dated April 10, 2006, Subject:  | Department of the                            | APR-2006     |
|      | High Priority Review Request (CD) WDNR Letter, Landfill Closure Approvals                                | Army/Specpro, Inc Wisconsin Department of    | MAY-2006     |
|      | WDINK Letter, Landilli Giosure Approvais   | Natural Resources                            | IVIA 1 -2000 |
|      | WDNR Letter, No Action Required For The Badger Army  | Wisconsin Department of                      | JUN-2006     |
|      | Ammunition Plant Rocket Paste Dep Storage Area   | Natural Resources                            |              |
|      | WDNR Letter, No Action Required For The Badger Army  | Wisconsin Department of                      | JUN-2006     |
|      | Ammunition Plant Solvent Recovery Area   | Natural Resources                            | ILINI 2006   |
|      | WDNR Letter, No Action Required For The Badger Army Ammunition Plant Maintenance Shop, UST               | Wisconsin Department of Natural Resources    | JUN-2006     |
|      | WDNR Letter, No Action Required For The Badger Army  | Wisconsin Department of                      | JUN-2006     |
|      | Ammunition Plant Tram Repair Shop UST  | Natural Resources                            |              |
|      | WDNR Letter, No Action Required For The Badger Army  | Wisconsin Department of                      | JUN-2006     |
|      | Ammunition Plant Solvent Recovery Area USTs  | Natural Resources                            | IIIN 2000    |
|      | WDNR Letter, No Action Required For The Badger Army<br>Ammunition Plant Compressor House UST             | Wisconsin Department of<br>Natural Resources | JUN-2006     |
|      | WDNR Letter, No Action Required For The Badger Army  | Wisconsin Department of                      | JUN-2006     |
|      | Ammunition Plant Ball Powder Pilot Plant   | Natural Resources                            |              |
|      | WDNR Letter, No Action Required For The Badger Army  | Wisconsin Department of                      | JUN-2006     |
|      |  | 1  | 1            |

Title Author Date 2006

| Ammunition Plant Dep Unloading Station UST             | Natural Resources                    |          |
|--|--------------------------------------|----------|
| 2006 Groundwater Narrative Summary Report (CD)         | Department of the Army/Specpro, Inc. | JUN-2006 |
| June 2006 Groundwater Certifications And Exceedance    | Department of the                    | JUN-2006 |
| Reports, All Hits Report, And Sampled Wells List (CD)  | Army/Specpro, Inc.                   |          |
| Site Assessment Report, Historic Shops Solvent         | Department of the                    | JUN-2006 |
| Investigation - Phase 2, Follow-Up Remedial            | Army/Specpro, Inc.                   |          |
| Investigation, Badger AAP (CD)                         |                                      |          |
| Site Assessment Report, Battery Charging Station,      | Department of the                    | JUN-2006 |
| Underground Storage Tank Investigation, Badger Army    | Army/Specpro, Inc                    |          |
| Ammunition Plant (CD)                                  |                                      |          |
| Landfill 4 Closure Construction Documentation Report,  | Department of the                    | JUN-2006 |
| Badger Army Ammunition Plant (CD)                      | Army/Specpro, Inc.                   |          |
| WDNR Letter, No Action Required For The Badger Army    | Wisconsin Department of              | JUN-2006 |
| Ammunition Plant Oleum Ditch                           | Natural Resources                    |          |
| Explosive Safety Submission (CD)                       | Shaw Environmental,                  | JUL-2006 |
|  | Inc./US Army Corps of                |          |
|  | Engineers                            |          |
| Site Assessment Report, Parcel K UST Investigation,    | Department of the                    | JUL-2006 |
| Badger Army Ammunition Plant (CD)                      | Army/Specpro, Inc.                   |          |
| WDNR Letter, No Action Required For The Badger Army    | Wisconsin Department of              | JUL-2006 |
| Ammunition Plant Battery Charging Station USTs         | Natural Resources                    |          |
| WDNR Letter, No Action Required For The Badger Army    | Wisconsin Department of              | JUL-2006 |
| Ammunition Plant Parcel K (Oleum Area) UST             | Natural Resources                    |          |
| WDNR Letter, No Action Required For The Badger Army    | Wisconsin Department of              | JUL-2006 |
| Ammunition Plant Railroad Track Scale                  | Natural Resources                    |          |
| Site Assessment Report, Parcel O5 UST Investigation,   | Department of the                    | JUL-2006 |
| Badger Army Ammunition Plant (CD)                      | Army/Specpro, Inc.                   |          |
| Site Assessment Report, Parcel O1 UST Investigation,   | Department of the                    | JUL-2006 |
| Badger Army Ammunition Plant (CD)                      | Army/Specpro, Inc                    |          |
| Phase 2 Site Assessment & Remediation Report, Parcel   | Department of the                    | JUL-2006 |
| V UST Investigation, Badger Army Ammunition Plant      | Army/Specpro, Inc                    |          |
| (CD)   |                                      |          |
| Draft Corrective Measures Implementation Rpt, Asbestos | Shaw Environmental, Inc.             | AUG-2006 |
| Abatement, Demo, & Disposal, East/West Paste & Ball    |                                      |          |
| Powder Areas (CD)                                      |                                      |          |
| WDNR Landfill Closure Approval Letter, Landfill 4 Soil | Wisconsin Department of              | AUG-2006 |
| Cover Project Report                                   | Natural Resources                    |          |
| Aug UST 2006 Groundwater Certification And             | Department of the                    | AUG-2006 |
| Exceedance Report, All Hits Report, And Sampled Wells  | Army/Specpro, Inc.                   |          |
| List, & Sampled Wells Maps (CD)                        |                                      |          |
| Remediation Summary Report, Powerhouse #1 Fuel Oil     | Department of the                    | AUG-2006 |
| Remediation, Badger Army Ammunition Plant (CD)         | Army/Specpro, Inc.                   |          |
| Site Assessment Report, Parcels D And T Former         | Department of the                    | SEP-2006 |
| Underground Storage Tanks Investigation (CD)           | Army/Specpro, Inc.                   |          |
| WDNR Letter, No Action Required For The Badger Army    | Wisconsin Department of              | SEP-2006 |
| Ammunition Plant Parcel O5 (Cannon Range) USTs         | Natural Resources                    |          |
| Final Amendment 5 Explosive Safety Submission (ESS)    | Shaw Environmental,                  | SEP-2006 |
| For Building Demolition, Badger Army Ammunition Plant  | Inc./US Army Corps of                |          |
| (CD),  | Engineers                            |          |
| September 2006 Groundwater Certifications And          | Department of the                    | SEP-2006 |
| Exceedance Reports, All Hits Report, And Sampled       | Army/Specpro, Inc.                   |          |
| Wells List (CD)  |                                      |          |

Title Author Date 2006

| WDNR Letter, No Action Required For The Badger Army<br>Ammunition Plant Historic Shops Solvent Investigation                        | Wisconsin Department of Natural Resources                                    | SEP-2006 |
|---|--|----------|
| Final Amendment 6 Explosive Safety Submission (ESS) For Building Demolition, Badger Army Ammunition Plant (CD)                      | Shaw Environmental,<br>Inc./US Army Corps of<br>Engineers                    | SEP-2006 |
| WDNR Letter, No Action Required For The Badger Army Ammunition Plant Powerhouse #2 Fuel Oil USTs                                    | Wisconsin Department of Natural Resources                                    | SEP-2006 |
| Health Consultation, Dinitrotoluene In Private Wells,<br>Badger Army Ammunition Plant, Baraboo, Sauk County,<br>Wisconsin (CD)      | US Department of Health and Human Services                                   | SEP-2006 |
| Site Assessment Report, Gasoline Storage Area,<br>Follow-Up Remedial Investigation Phase 2, Badger AAP<br>(CD)                      | Department of the Army/Specpro, Inc  | OCT-2006 |
| WDNR Letter, No Action Required For The Badger Army Ammunition Plant Magazine Office USTs   | Wisconsin Department of<br>Natural Resources                                 | OCT-2006 |
| WDNR Letter, No Action Required For The Badger Army Ammunition Plant Raw Material Store USTs  | Wisconsin Department of<br>Natural Resources                                 | OCT-2006 |
| October 2006 Groundwater Certifications And<br>Exceedance Reports, All Hits Report, Sampled Wells<br>List, & Sampled Wells Map (CD) | Department of the Army/Specpro, Inc.   | OCT-2006 |
| Site Assessment Report, Old Acid Area Solvent<br>Investigation, Follow-Up Remedial Investigation, Badger<br>AAP (CD)                | Department of the Army/Specpro, Inc  | OCT-2006 |
| RAB Minutes: February 6, 2006; June 5, 2006; August 14, 2006; And October 16, 2006 (CD)   | Department of the Army/Specpro, Inc.   | NOV-2006 |
| Final Addendum, Field Sampling Plan, Gruber's Grove<br>Bay Dredging Project (CD)  | Shaw Environmental,<br>Inc./US Army Corps of<br>Engineers                    | NOV-2006 |
| Construction Documentation Report, Phase 2 Liner Construction, Expansion Of Landfill 03646 (CD)                                     | Department of the Army/Specpro, Inc.   | NOV-2006 |
| WDNR Letter, No Action Required For The Badger Army<br>Ammunition Plant Contaminated Waste Processing<br>Building UST (On CD)       | Wisconsin Department of<br>Natural Resources                                 | NOV-2006 |
| WDNR Letter, No Action Required For The Badger Army<br>Ammunition Plant Old Acid Air Compressor House UST<br>(On CD)                | Wisconsin Department of<br>Natural Resources                                 | NOV-2006 |
| WDNR Letter, Site Closure Approval For The Badger<br>Army Ammunition Plant Filtration Plant USTs (On CD)                            | Wisconsin Department of<br>Natural Resources                                 | NOV-2006 |
| WDNR Letter, No Action Required For The Badger Army Ammunition Plant Emergency Generator House UST (On CD)                          | Wisconsin Department of<br>Natural Resources                                 | NOV-2006 |
| Monitoring Results From Gruber's Grove Bay Cleanup (CD)   | US Army Corps of<br>Engineers  | DEC-2006 |
| Baseline Ecological Risk Assessment Work Plan,<br>Settling Ponds & Spoils Disposal Areas Site, Badger<br>Army Ammunition Plant (CD) | Department of the<br>Army/Specpro,<br>Inc./Menzie-Cura &<br>Associates, Inc. | DEC-2006 |

2007

| Final Amendment 7 Explosive Safety Submission (ESS)   | Shaw Environmental,   | JAN-2007 |
|---|-----------------------|----------|
| For Building Demolition, Badger Army Ammunition Plant | Inc./US Army Corps of |          |
| (CD)  | Engineers             |          |
| Old Acid Area Remedial Action Plan, Badger Army       | Department of the     | JAN-2007 |
| Ammunition Plant (CD)                                 | Army/Specpro, Inc.    |          |

Title Author Date 2007

| Applied Innovative Technologies For Characterization Of Nc- And Ng-Contaminated Buildings, Badger Army Ammunition Plant (CD)                    | Shaw Environmental,<br>Inc./US Army Corps of<br>Engineers                 | JAN-2007 |
|---|---|----------|
| Restoration Advisory Board Meeting Minutes For<br>January 10, 2007 (CD)   | Department of the Army  | JAN-2007 |
| Inspiration Drive Area Groundwater Sampling Files   | Specpro, Inc.   | FEB-2007 |
| March 2007 Groundwater Certifications, Exceedance<br>Reports, All Hits Report, Sampled Wells List, Sampled<br>Wells Map, Landfill Wells Sampled | Department of the Army/Specpro, Inc.                                      | MAR-2007 |
| P6 Nitroglycerin Area Investigation   | Department of the Army/Specpro, Inc.,                                     | MAR-2007 |
| Best System Database (CD)   | Shaw Environmental & Infrastructure, Inc                                  | MAR-2007 |
| Restoration Advisory Board Meeting Minutes for March 19, 2007   | Department of the Army  | MAR-2007 |
| Residential Groundwater Test Results - March 2007,<br>March 2007 and Master Summary Spreadsheets  | Department of the Army  | MAR-2007 |
| Documentation Of Annual Maintenance Activities 2006,<br>Closed Covered And Capped Sites, Badger Army<br>Ammunition Plant (CD)                   | Department of the Army  | MAR-2007 |
| Gasoline Storage Area Shallow Soil Remediation Report, Badger Army Ammunition Plant (CD)  | Department of the Army/Specpro, Inc.                                      | MAR-2007 |
| Old Acid Area Solvent Investigation Site Closeout Request; Brrts Number 02-57-001002 (CD)   | Department of the Army/Specpro, Inc.                                      | MAR-2007 |
| December 2006 Groundwater Certifications, Exceedance<br>Reports, All Hits Reports, Sampled Wells List, Map,<br>Residential Master List (CD)     | Department of the Army/Specpro, Inc.                                      | MAR-2007 |
| Tractor Garage Underground Storage Tanks (USTs) Remediation Site Closeout Request; Brrts Number 02- 57-001002 (CD)                              | Department of the Army/Specpro, Inc.                                      | MAR-2007 |
| SURFACE WATER (WEIGAND'S BAY) SAMPLING<br>WEST OF HWY 78 (CD)   | SpecPro, Inc.   | APR-2007 |
| Department of the Army Letter Dated April 18, 2007,<br>Subject: Old Acid Area Remedial Action Plan<br>Modification                              | Department of the Army  | APR-2007 |
| Department of the Army Letter, Powerhouse # 1 Final<br>Closure Fuel Oil Discharge Site, Badger Army<br>Ammunition Plant                         | Department of the Army/Specpro, Inc.                                      | MAY-2007 |
| Department of the Army Letter, No Further Action<br>Request Regarding Cemeteries At Badger Army<br>Ammunition Plant                             | Department of the Army/Specpro, Inc.                                      | MAY-2007 |
| WDNR Letter, No Action Required for Three Cemeteries on Badger Army Ammunition Plant Property   | Wisconsin Department of Natural Resources                                 | MAY-2007 |
| Dept. of the Army & Wisconsin Department of Natural Resources Letters (2) Regarding Dinitrotoluene Health Standards                             | Department of the<br>Army/Wisconsin<br>Department of Natural<br>Resources | MAY-2007 |
| WDNR Letter, Site Closure Approval for the Badger Army Ammunition Plant Gasoline Storage Area ASTs  | Wisconsin Department of<br>Natural Resources                              | MAY-2007 |
| WDNR Letter, No Action Required Determination for the Badger Army Ammunition Plant Old Acid Area Solvent Investigation                          | Wisconsin Department of<br>Natural Resources                              | MAY-2007 |
| WDNR Letter, Site Closure Approval for the Badger Army Ammunition Plant Tractor Garage USTs   | Wisconsin Department of<br>Natural Resources                              | MAY-2007 |

Title Author Date 2007

| WDNR Letter, No Action Required Determination for the   | Wisconsin Department of<br>Natural Resources              | MAY-2007 |
|---|---|----------|
| Badger Army Ammunition Plant P6 Nitroglycerin Area Investigation  |   |          |
| WDNR Letter, Site Closure Approval for the Badger Army Ammunition Plant Tractor Garage USTs   | Wisconsin Department of<br>Natural Resources              | MAY-2007 |
| WDNR Letter, Site Closure Approval for the BAAP - Powerhouse #1 Fuel Oil Discharge Site; Sauk County; BRRTS Number 02-57-549430               | Wisconsin Department of<br>Natural Resources              | JUN-2007 |
| Residential Groundwater Test Results - June 2007, June 2007 and Master Summary Spreadsheets   | Department of the Army                                    | JUN-2007 |
| June 2007 Groundwater Data Certifications, Exceedance Reports, All Hits Reports, Sampled Wells List, Sampled Wells Map                        | Department of the Army/Specpro, Inc.                      | JUN-2007 |
| Restoration Advisory Board Meeting Minutes for June 18, 2007  | Department of the Army                                    | JUN-2007 |
| 2007 Groundwater Narrative Summary Report (CD)  | Department of the Army/Specpro, Inc.                      | JUL-2007 |
| Department of the Army Letter Dated July 16, 2007, Subject: No Further Action, Coal Yard, Badger Army Ammunition Plant                        | Department of the Army/Specpro, Inc.                      | JUL-2007 |
| Remediation Summary Report, P4 Rocket Paste Ditch,<br>Badger Army Ammunition Plant  | Department of the Army/Specpro, Inc.                      | JUL-2007 |
| Site Assessment Reports, Oil & Solvent Store, Follow-<br>Up Remedial Investigations, Olin Corp. Phase 2 & Specpro, Inc. Phase 3               | Department of the Army/Specpro, Inc.                      | AUG-2007 |
| Construction Documentation Report, Phase 3 Liner Construction, Expansion of Landfill 03646  | Department of the Army/Specpro, Inc.                      | AUG-2007 |
| DNR Letter Dated August 20, 2007, Subject: No Further Action Request Former Coal Yard Storage Area  | Wisconsin Department of<br>Natural Resources              | AUG-2007 |
| Gruber's Grove Bay Draft Remedial Action Completion Report  | Shawe Environmental, Inc.                                 | AUG-2007 |
| August 2007, Residential Sampling, GW Certification Form, Exceedance Report, All Hits Report, Sampled Wells Map & List, GW Test Results Table | Department of the Army/Specpro, Inc.                      | AUG-2007 |
| Soil Remediation Summary Report, Box Wash Repair Site, Badger Army Ammunition Plant   | Department of the Army/Specpro, Inc.                      | SEP-2007 |
| Propellant Burning Ground September 2007 Explosives Groundwater Data  | Department of the Army/Specpro, Inc.                      | SEP-2007 |
| September 2007 Groundwater Data Certifications,<br>Exceedance Reports, All Hits Reports, Sampled Wells<br>List, Sampled Wells Map             | Department of the Army/Specpro, Inc.                      | SEP-2007 |
| Restoration Advisory Board Meeting Minutes for<br>September 24, 2007  | Department of the Army                                    | SEP-2007 |
| NDNR Letter Dated October 1, 2007, Subject: No<br>Action Required for the Badger Army Ammunition Plant<br>Oil & Solvent Store                 | Wisconsin Department of<br>Natural Resources              | OCT-2007 |
| WDNR Letter Dated October 9, 2007, Subject: Phase 3 Liner Construction Documentation Approval for Landfill Site No. 03646                     | Wisconsin Department of<br>Natural Resources              | OCT-2007 |
| WDNR Letter Dated October 24, 2007, Subject: Site Closure Approval for the BAAP - Box Wash Repair Site  | Wisconsin Department of<br>Natural Resources              | OCT-2007 |
| Final Amendment 8 Explosive Safety Submission (ESS) for Building Demolition, Badger Army Ammunition Plant                                     | Shaw Environmental,<br>Inc./US Army Corps of<br>Engineers | NOV-2007 |

| 0007 | Title   | Author  | Date      |
|------|---|---|-----------|
| 2007 |   | ,   |           |
|      | DECEMBER 2007 GROUNDWATER DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)   | Department of the Army/SpecPro, Inc.                      | DEC-2007  |
|      | WDNR Letter Dated December 12, 2007, Subject: Site Closure Approval for the BAAP - P4 Rocket Paste Ditch Case                     | Wisconsin Department of<br>Natural Resources              | DEC-2007  |
|      | Old Acid Area Remedial Action Report, Badger Army<br>Ammunition Plant   | Department of the Army/Specpro, Inc.                      | DEC-2007  |
| 2008 | , annual and  | типутороорго, то.   |           |
|      | AUDAID LETTED DATED JAARLADY OO 2000  | 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2                   | IANI 0000 |
|      | WDNR LETTER DATED JANUARY 30, 2008,<br>SUBJECT: FINAL CASE CLOSURE FOR THE BAAP -<br>OLD ACID AREA CASE (CD)                      | Wisconsin Department of<br>Natural Resources              | JAN-2008  |
|      | RESTORATION ADVISORY BOARD MEETING<br>MINUTES FOR JANUARY 9, 2008 (CD)  | Department of the Army                                    | JAN-2008  |
|      | Draft Finding of Suitability To Transfer (FOST), Parcels K, K1, K2, K3, L, M, N, and W, Badger Army Ammunition Plant, Baraboo, WI | Department of the Army                                    | JAN-2008  |
|      | Draft Finding of Suitability To Transfer (FOST), Parcels O2, O6 and M3, Badger Army Ammunition Plant, Baraboo, WI                 | Department of the Army                                    | JAN-2008  |
|      | Documentation of Annual Maintenance Activities 2007,<br>Closed, Covered, and Capped Sites, Badger Army<br>Ammunition Plant        | Department of the Army/Specpro, Inc.                      | JAN-2008  |
|      | Gruber's Grove Bay Geotube Laydown Area Wetland Sampling, Badger Army Ammunition Plant  | Department of the Army                                    | JAN-2008  |
|      | FINAL REMEDIAL ACTION COMPLETION REPORT,<br>GRUBER'S GROVE BAY DREDGING PROJECT,<br>BADGER ARMY AMMUNITION PLANT (CD)             | Shaw Environmental,<br>Inc./US Army Corps of<br>Engineers | JAN-2008  |
|      | OLD ACID AREA FUEL OIL SITE REPORT, BADGER<br>ARMY AMMUNITION PLANT (CD)  | Department of the Army/SpecPro, Inc.                      | FEB-2008  |
|      | PARCEL O SITE INVESTIGATION, BADGER ARMY AMMUNITION PLANT (CD)  | Department of the Army/SpecPro, Inc.                      | MAR-2008  |
|      | FINAL DETERMINATION OF REMEDY FOR PROPELLANT BURNING GROUND WASTE PITS SUBSURFACE SOIL (CD)                                       | Wisconsin Department of<br>Natural Resources              | MAR-2008  |
|      | FINAL DETERMINATION OF REMEDY FOR PROPELLANT BURNING GROUND WASTE PITS SUBSURFACE SOIL (CD)                                       | Wisconsin Department of<br>Natural Resources              | MAR-2008  |
|      | GROUNDWATER DATA CERTIFICATIONS,<br>EXCEEDANCE REPORTS, ALL HITS REPORTS,<br>SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)           | Department of the Army/SpecPro, Inc.                      | MAR-2008  |
|      | FINAL ALTERNATIVE FEASIBILITY STUDY, PROPELLANT BURNING GROUND WASTE PITS SUBSURFACE SOIL, BADGER ARMY AMMUNITION PLANT (CD)      | Shaw Environmental,<br>Inc./US Army Corps of<br>Engineers | MAR-2008  |
|      | WDNR LETTER, FINAL CASE CLOSURE FOR THE<br>BAAP - OLD ACID AREA FUEL OIL CASE; SAUK<br>COUNTY (CD)                                | Wisconsin Department of Natural Resources                 | APR-2008  |
|      | WDNR LETTER, NO ACTION REQUIRED FOR THE BADGER ARMY AMMUNITION PLANT PARCEL O SITE INVESTIGATION (CD)                             | Wisconsin Department of<br>Natural Resources              | APR-2008  |
|      | CONSTRUCTION DOCUMENTATION REPORT, FINAL COVER CONSTRUCTION, LANDFILL 3118, BADGER  | Department of the Army/SpecPro, Inc.                      | APR-2008  |

Title Author Date 2008

| ARMY AMMUNITION PLANT (CD)   |   |                                       |
|--|---|---------------------------------------|
| ONT DEGRADATION SPECIAL EVENT, APRIL 2008,<br>GW DATA CERTIFICATIONS, EXCEEDANCE | Department of the<br>Army/SpecPro, Inc. | APR-2008                              |
| REPORTS, ALL HITS REPORTS, SAMPLED WELLS   | Amy/SpecPro, inc.                       |                                       |
| IST, SAMPLED WELLS MAP (CD)  |   |                                       |
| DRAFT BASELINE ECOLOGICAL RISK ASSESSMENT,                                       | Department of the                       | APR-2008                              |
| SETTLING PONDS AND SPOILS DISPOSAL AREAS   | Army/SpecPro,                           | AF IX-2000                            |
| SITE (CD)  | Inc./Exponent, Inc.                     |                                       |
| GROUNDWATER DATA CERTIFICATIONS,   | Department of the                       | APR-2008                              |
| EXCEEDANCE REPORTS, ALL HITS REPORTS,  | Army/SpecPro, Inc.                      | Al IX-2000                            |
| SAMPLED WELLS LIST, AND SAMPLED WELLS MAP  | 7 tilly/Opeci 10, ilic.                 |                                       |
| CD)  |   |                                       |
| PARCEL P5 FUEL OIL INVESTIGATION (CD)  | Department of the                       | MAY-2008                              |
| 7.1  | Army/SpecPro, Inc.                      |                                       |
| NO FURTHER ACTION REQUIRED FOR THE BADGER  |   | MAY-2008                              |
| ARMY AMMUNITION PLANT PARCEL P5 FUEL OIL   | Natural Resources                       |                                       |
| RELEASE SITE (CD)  |   |                                       |
| EAD BURNING HOUSE REMEDIAL INVESTIGATION   | SpecPro, Inc.                           | MAY-2008                              |
| PARCELS P6 AND R (CD)  |   |                                       |
| GROUNDWATER NARRATIVE SUMMARY REPORT   | Department of the                       | JUN-2008                              |
| CD)  | Army/SpecPro, Inc.                      |                                       |
| GROUNDWATER NARRATIVE SUMMARY REPORT   | Department of the                       | JUN-2008                              |
| CD)  | Army/SpecPro, Inc.                      |                                       |
| GROUNDWATER MONITORING DATA  | Department of the                       | JUN-2008                              |
| CERTIFICATIONS, EXCEEDANCE REPORTS, ALL  | Army/SpecPro, Inc.                      |                                       |
| HITS REPORTS, SAMPLED WELLS LIST, SAMPLED  |   |                                       |
| VELLS MAP (CD)   |   |                                       |
| PARCEL O4 REMEDIAL INVESTIGATION REPORT  | Department of the                       | JUL-2008                              |
| CD) PARCEL Q3 REMEDIAL INVESTIGATION REPORT                                      | Army/SpecPro, Inc.                      |                                       |
| CD)  | Department of the Army/SpecPro, Inc.    | JUL-2008                              |
| DETERRENT BURNING GROUND CAP AND COVER   | Department of the Army                  | JUL-2008                              |
| SYSTEM FIVE-YEAR OPERATION AND   | Department of the Anny                  | JUL-2006                              |
| MAINTENANCE SUMMARY (CD)   |   |                                       |
| BADGER ARMY - FINAL CLOSURE OF THE LANDFILL                                      | Wisconsin Department of                 | JUL-2008                              |
| LIC: 3118 (CD)   | Natural Resources                       | 00L 2000                              |
| GROUNDWATER DATA CERTIFICATIONS,   | Department of the                       | JUL-2008                              |
| EXCEEDANCE REPORTS, ALL HITS REPORTS,  | Army/SpecPro, Inc.                      |                                       |
| SAMPLED WELLS LIST, AND SAMPLED WELLS MAP  | 7 mm, <b>3</b> p c c c, m c             |                                       |
| CD)  |   |                                       |
| SETTLING POND 4 INTERIM REMEDIAL ACTION (CD)                                     | Department of the Army                  | AUG-2008                              |
| GROUNDWATER DATA CERTIFICATION, ALL HITS   | Department of the                       | AUG-2008                              |
| REPORT, SAMPLED WELLS LIST, AND SAMPLED  | Army/SpecPro, Inc.                      | 7.00 2000                             |
| VELLS MAP (CD)   | 7.1.11y/Opcor 10, 1110.                 |                                       |
| NOTIFICATION FOR HAZARDOUS SUBSTANCE   | Department of the                       | SEP-2008                              |
| DISCHARGE FORMS FOR POST DEMOLITION  | Army/SpecPro, Inc.                      | ===================================== |
| SAMPLING CONTAMINANTS IDENTIFIED IN  | ,,                                      |                                       |
| PARCELS H1, O7, P2, AND V AND POST DEMO  |   |                                       |
| REPORTS (CD)   |   |                                       |
| GROUNDWATER MONITORING DATA  | Department of the                       | SEP-2008                              |
| CERTIFICATIONS, EXCEEDANCE REPORTS, ALL  | Army/SpecPro, Inc.                      |                                       |
| HITS REPORTS, SAMPLED WELLS LIST, SAMPLED  |   |                                       |
| III 3 KEI OKT3, SAMI LED WELLS LIST, SAMI LED                                    |   |                                       |

| PARCELS P2, P3, AND P4 REMEDIAL NYESTIGATION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFARIRS, HO-CHUNK NATION. PARCELS O, O1, 05, 02, U2, and X1 (CD) SETTLING POND 4 INTERIM REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF HAVITURAL RESOURCES, PARCEL M2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF HAVITURAL RESOURCES, PARCEL S2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BULFFVIEW SANITARY DISTRICT, PARCEL X2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BULFFVIEW SANITARY DISTRICT, PARCEL X2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFARIRS, HO-CHUNK NATION, PARCEL K4 (CD). FINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL X2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFARIRS, HO-CHUNK NATION, PARCEL K4 (CD). FINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE; WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL X4 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUFFVIEW SANITARY DISTRICT, PARCEL X4 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF ARMS SERVICE; WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL X4 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED ATTIVITIES 2008, CLOSED, COVERED, AND CAPPED DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED DEPARTMENT OF MAINTENANCE REGISTRANCE REFORMS AS AGR |      | Title                                      | Author                 | Date       |
|--|------|--|------------------------|------------|
| INVESTIGATION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAM AFFAIRS, HO-CHUNK NATION, PARCELS O, O.1, O.5, O.2, u.2, and X1 (CD) SETTLING POND 4 INTERIM REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL M2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL SZ (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAM AFFAIRS, HO-CHUNK NATION, PARCEL K4 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAM AFFAIRS, HO-CHUNK NATION, PARCEL K4 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAM AFFAIRS, HO-CHUNK NATION, PARCEL K4 (CD) PARCEL R- DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL PS (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL PS (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), MICHAIL PROBLEM (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL PS (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BULFFVIEW SANITARY DISTRICT, PARCEL T (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORT, Inc. DEPARTMENT OF MATURAL RESOURCES, PARCEL PS (CD) DOCUMENTATION OF ANNUAL MAINTENANCE Army/SpecPro, Inc. DEPARTMENT OF MATURAL RESOURCES, PARCEL PS (CD) DOCUMENTATION OF ANNUAL MAINTENANCE Army/SpecPro, Inc. DEPARTMENT OF MATURAL RESOURCES, PARCEL DEPARTMENT OF TRANSPER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSEN, COVERD, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD)  USA Army SpecPro, Inc. DEP | 2008 |  |                        |            |
| INVESTIGATION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK (NATION, PARCELS O, O.), O.5, O.2, U.2, and XI (CD) SETTLING POND 4 INTERIM REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL M2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL SZ (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION, PARCEL K4 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION, PARCEL K4 (CD) PINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL PS (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION, PARCEL CS (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL PS (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BULFFVIEW SANITARY DISTRICT, PARCEL T (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BULFFVIEW SANITARY DISTRICT, PARCEL T (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF MATURAL RESOURCES, PARCEL PS (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF MATURAL RESOURCES, PARCEL PS (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF MATURAL RESOURCES, PARCEL DEPARTMENT OF MATU |      | PARCELS P2. P3. AND P4 REMEDIAL            | Department of the      | OCT-2008   |
| DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION, PARCELS O, O1, O5, O2, U2, and X1 (CD) SETTLING POND 4 INTERIM REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL MZ (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL MZ (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL SZ (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL R2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL R2 (CD) FINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) PARCEL R- DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL PS (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL PS (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL PS (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DOCUMENTATION OF ANNUAL MAINTENNCE ACTIVITY HE SUBSEL FUEL REMEDIAL INVESTIGATION PROPART FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENNCE ACTIVITY HE SUBSEL FUEL REMEDIAL INVESTIGATION PROPART FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION OF ANNUAL MAINTENNCE ACTIVITY HE SUBSEL FUEL REMEDIAL MAINTENNCE ACTIVITY HE SUBSEL FUEL REMEDIAL MAINTENNCE ACTIVITY HE SUBSEL FUEL REMEDIAL MAINTENNCE REPORTS, SAMPLED WELL |      |  |                        |            |
| NATION, PARCELS O, 01, 05, 02, U2, and X1 (CD) SETTLING POND 4 INTERIIM REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL MZ (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL MZ (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL R2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION, PARCEL K4 (CD) FINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL R2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION, PARCEL K4 (CD) FINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), MATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HTS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CO) DOCUMENTATION OF ANNUAL MAINTENNANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITON PLANT (CD) DOCUMENTATION OF ANNUAL MAINTENNANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITON PLANT (CD) DOCUMENTATION OF ANNUAL MAINTENNANCE REGISTER SEARCES AND CAPPED SITES, BADGER ARMY AMMUNITON PLANT (CD) DOCUMENTATION OF ANNUAL MAINTENNANCE REGISTER SANGER ARMY AMMUNITON PLANT (CD) DIVISION STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DE |      | DRAFT FINDING OF SUITABILITY TO TRANSFER   |                        | OCT-2008   |
| SETTLING POND 4 INTERIM REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL M2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL M2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL M2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BULFVILEW SANITARY DISTRICT, PARCEL M2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BULFVILEW SANITARY DISTRICT, PARCEL M2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION, PARCEL K4 (CD) FINAL CASE CLOSURE FOR THE BAAP - WOOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BULFFULEW SANITARY DISTRICT, PARCEL T (CD) LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD)  BURNING GROUND (CD)  STATE OF WISCONSIN DEPARTMENT OF BURNING GROUND (CD)  STATE OF WISCONSIN DEPARTMENT OF  WISCONSIN Department of the Army/SpecPro, Inc.  DEC-2008  ARMY/SpecPro, Inc.  DEC-2008  DE |      | (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK |                        |            |
| REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL M2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL S2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL R2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL R2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION, PARCEL K4 (CD) FINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL CENTIFICATIONS, EXCEEDANCE, PARCEL P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL CENTIFICATIONS, EXCEEDANCE, PARCEL TO THE CONTROL OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL CENTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD)  STATE OF WISCONSIN - DEPARTMENT OF  WISCONSIN DEPARTMENT O |      |  |                        |            |
| DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL M2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL S2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BULFFVIEW SANITARY DISTRICT, PARCEL R2 (CD) DRAFT SINDING OF SUITABILITY TO TRANSFER (FOST), BULFFVIEW SANITARY DISTRICT, PARCEL R2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BULFVIEW AND ATTON, PARCEL R4 (CD) FINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL PS (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) DEARTMENT OF NATURAL RESOURCES, PARCEL PS (CD) DEARTMENT OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) DEARTMENT OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) DECAMONATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DECUMENTATION OF ANNUAL MINITENNACE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED ATMY/SpecPro, Inc.  DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DECUMENTATION OF ANNUAL MAINTENNACE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED ATMY/SpecPro, Inc.  DEPARTMENT of the Army JAN-2009 Engineers/Base Realignment & Closure Division  STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF JAN-2009  STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF JAN-2009  |      |  |                        | NOV-2008   |
| (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL M2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL S2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL R2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION, PARCEL K4 (CD) FINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) GROUNDWATER MONITORING DATA CRETIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT USE OF WISCONSIN DEPARTMENT OF STATE OF WISCONSIN - DEPARTMENT OF                                      |      |  |                        |            |
| DEPARTMENT OF NATURAL RESOURCES, PARCEL M2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL S2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL R2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK MATION, PARCEL K4 (CD) FINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD) DOCUMENTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF UNISONS DEPARTMENT OF U |      |  | Department of the Army | NOV-2008   |
| M2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL S2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL R2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION, PARCEL K4 (CD) FINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL DEPARTMENT OF NATURAL RESOURCES, PARCEL P5 (CD) DRAFT RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF  |      |  |                        |            |
| DRÂFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL S2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL R2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL R2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION, PARCEL K4 (CD) FINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION DEPARTMENT OF NATURAL RESOURCES, PARCEL PS (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL PS (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) DRAFT RELEASE REMEDIAL INVESTIGATION REPORT (CD) EACH THE RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CETTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF Engineer/Sase Realignment & Closure Division STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF JAN-2009   |      |  |                        |            |
| (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL S2 (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL R2 (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION, PARCEL K4 (CD)  FINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD)  PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL PS (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD)  LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD)  GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSFORM (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD)  DOCUMENTATION, PARCEL DOT (CD)  DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD)  FIVE-YEAR REVIEW REPORT, DETERRENT DESTRICES, BADGER ARMY AMMUNITION PLANT (CD)  STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF JAN-2009  STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF JAN-2009  WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF JAN-2009   |      |  | Department of the Army | NOV 2008   |
| DEPARTMENT OF NATURAL RESOURCES, PARCEL S2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL R2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION, PARCEL K4 (CD) FINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL PS (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) CD) DRAFT RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSFER (FOST), WISC |      |  | Department of the Army | NOV-2006   |
| S2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL R2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION, PARCEL K4 (CD) FINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD)  STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF JAN-2009 STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF JAN-2009 STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF JAN-2009 STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPART |      |  |                        |            |
| DRÄFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL R2 (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION, PARCEL K4 (CD) FINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  2009  2009  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSERD, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF JAN-2009 STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF  |      |  |                        |            |
| (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL R2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION, PARCEL K4 (CD) FINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL T (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF JAN-2009 STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF JAN-2009  TAN-2009 STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF JAN-2009  TAN-2009   |      |  | Department of the Army | NOV-2008   |
| R2 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION, PARCEL K4 (CD) FINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DOCUMENTATION, PARCEL DOT (CD) DOCUMENTATION, PARCEL DOT (CD) SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF STATE OF WISCONSIN - DEPARTMENT OF STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DE |      |  |                        |            |
| DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION, PARCEL K4 (CD) FINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF Engineers/Base Realignment & Closure Division JAN-2009 JAN-2009 STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF U.S. Army Corps of Engineers/Base Realignment & Closure Division Division  |      |  |                        |            |
| NATION, PARCEL K4 (CD) FINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DAFF FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF US. Army/SpecPro, Inc.  Department of the Army JAN-2009 Army/SpecPro, Inc.  JAN-2009 JAN-2009 JAN-2009 JAN-2009 STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF JAN-2009 JAN-2009  |      |  | Department of the Army | NOV-2008   |
| FINAL CASE CLOSURE FOR THE BAAP - WDOT PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD)  PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL PS (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD)  LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD)  GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD)  DOCUMENTATION, PARCEL DOT (CD)  DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD)  FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD)  STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF Engineers/Base Realignment & Closure Division  WISCONSIN DEPARTMENT OF STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF SITES, BADGER ARMY AMMUNITION PLANT (CD)  WISCONSIN DEPARTMENT OF SUITABILITY TO TRANSFER (CD)  WI |      | (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK |                        |            |
| PROJECTS AREA WITHIN SETTLING POND 4; SAUK COUNTY (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION, OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF U.S. Army Corps of Engineers/Base Realignment & Closure Division Wisconsin Department of JAN-2009 WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF U.S. Army Corps of Engineers/Base Realignment & Closure Division Wisconsin Department of JAN-2009 JAN-2009 WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCO |      |  |                        |            |
| COUNTY (CD) PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of JAN-2009 Wisconsin Department of JAN-2009 Wisconsin Department of JAN-2009 JAN-2009 Wisconsin Department of JAN-2009 JAN-2009 JAN-2009 JAN-2009 JAN-2009 JAN-2009  |      |  |                        | DEC-2008   |
| PARCEL R - DIESEL FUEL REMEDIAL ACTION REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF U.S. Army Corps of Engineers/Base Realignment & Closure Division WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF JAN-2009  STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF JAN-2009  JAN-2009   |      |  | Natural Resources      |            |
| REPORT (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF STATE OF WISCONSIN - DEPARTMENT OF STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN Department of JAN-2009 STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN Department of WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF JAN-2009 STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF WISCONSIN DEPARTMENT OF JAN-2009 STATE OF WISCONSIN - DEPARTMENT OF WISCONSIN DEPARTMENT OF JAN-2009  |      |  |                        | <br>       |
| DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL P5 (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD)  LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD)  STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of JAN-2009  STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of JAN-2009  DEC-2008  Department of the Army Dec-2008  Department of the Army Dec-2008  Department of the Army JAN-2009 Army/SpecPro, Inc.  JAN-2009 JAN-2009 JAN-2009 STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of Wisconsin Department of JAN-2009  |      |  |                        | DEC-2008   |
| (FOST), NATIONAL PARK SERVICE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES, PARCEL P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of JAN-2009 STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of Wisconsin Department of JAN-2009 Wisconsin Department of JAN-2009 JAN-2009 Wisconsin Department of JAN-2009   |      |  |                        | DEC 2009   |
| DEPARTMENT OF NATURAL RESOURCES, PARCEL PS (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD)  LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD)  GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD)  DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD)  FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD)  STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of JAN-2009  STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of JAN-2009  Wisconsin Department of JAN-2009   |      |  | Department of the Army | DEC-2006   |
| P5 (CD) DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD) LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of JAN-2009 STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of Wisconsin Department of JAN-2009 Wisconsin Department of JAN-2009 JAN-2009 Wisconsin Department of JAN-2009  |      |  |                        |            |
| DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD)  LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD)  GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of JAN-2009 STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of Wisconsin Department of Wisconsin Department of JAN-2009 Wisconsin Department of JAN-2009 JAN-2009 Wisconsin Department of JAN-2009 JAN-2009  |      |  |                        |            |
| (FOST), BLUFFVIEW SANITARY DISTRICT, PARCEL T (CD)  LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of JAN-2009  STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of Wisconsin Department of Wisconsin Department of JAN-2009 Wisconsin Department of JAN-2009  |      |  | Department of the Army | DEC-2008   |
| LEACHATE RELEASE REMEDIAL INVESTIGATION REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of JAN-2009  STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of JAN-2009 Wisconsin Department of JAN-2009 Wisconsin Department of JAN-2009   |      |  | ,                      |            |
| REPORT (CD) GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of JAN-2009  STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of Wisconsin Department of JAN-2009  Army/SpecPro, Inc.  Department of the Army JAN-2009 Army/SpecPro, Inc.  JAN-2009 FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD)  STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of Wisconsin Department of  |      |  |                        |            |
| GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED BURNING GROUND (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF  Wisconsin Department of the Army  Department of the Army JAN-2009  Department of the Army JAN-2009  U.S. Army/SpecPro, Inc.  Department of the Army JAN-2009  STATE OF WISCONSIN - DEPARTMENT OF  Wisconsin Department of JAN-2009   |      | LEACHATE RELEASE REMEDIAL INVESTIGATION    | Department of the      | DEC-2008   |
| CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF  Wisconsin Department of JAN-2009  STATE OF WISCONSIN - DEPARTMENT OF  Wisconsin Department of JAN-2009   |      |  |                        |            |
| HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)  DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD)  STATE OF WISCONSIN - DEPARTMENT OF  Wisconsin Department of JAN-2009  JAN-2009  JAN-2009  JAN-2009  JAN-2009  JAN-2009  |      |  |                        | DEC-2008   |
| DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of JAN-2009  |      |  | Army/SpecPro, Inc.     |            |
| DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF  Department of the Army JAN-2009  Department of the Army/SpecPro, Inc.  U.S. Army Corps of Engineers/Base Realignment & Closure Division  STATE OF WISCONSIN - DEPARTMENT OF  Wisconsin Department of JAN-2009  |      |  |                        |            |
| DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD) DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD)  STATE OF WISCONSIN - DEPARTMENT OF  Department of the Army JAN-2009  Lepartment of the Army JAN-2009  Department of the Army JAN-2009  Lepartment of the Army JAN-2009  Lepartment of the Army JAN-2009  STATE OF WISCONSIN - DEPARTMENT OF  Division  JAN-2009  JAN-2009  JAN-2009   | 2000 | WELLS MAP (CD)                             |                        |            |
| (FOST), WISCONSIN DEPARTMENT OF TRANSPORTATION, PARCEL DOT (CD)  DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD)  STATE OF WISCONSIN - DEPARTMENT OF  U.S. Army Corps of Engineers/Base Realignment & Closure Division  JAN-2009  | 2009 |  |                        | 1          |
| TRANSPORTATION, PARCEL DOT (CD)  DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED Army/SpecPro, Inc.  SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD)  STATE OF WISCONSIN - DEPARTMENT OF  U.S. Army Corps of Engineers/Base Realignment & Closure Division  STATE OF WISCONSIN - DEPARTMENT OF  Wisconsin Department of JAN-2009   |      |  | Department of the Army | JAN-2009   |
| DOCUMENTATION OF ANNUAL MAINTENANCE ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED SITES, BADGER ARMY AMMUNITION PLANT (CD) FIVE-YEAR REVIEW REPORT, DETERRENT BURNING GROUND (CD) STATE OF WISCONSIN - DEPARTMENT OF  Department of the Army/SpecPro, Inc.  U.S. Army Corps of Engineers/Base Realignment & Closure Division  STATE OF WISCONSIN - DEPARTMENT OF  Wisconsin Department of JAN-2009  |      |  |                        |            |
| ACTIVITIES 2008, CLOSED, COVERED, AND CAPPED Army/SpecPro, Inc.  SITES, BADGER ARMY AMMUNITION PLANT (CD)  FIVE-YEAR REVIEW REPORT, DETERRENT U.S. Army Corps of Engineers/Base Realignment & Closure Division  STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of JAN-2009  |      |  | Department of the      | IANI 2000  |
| SITES, BADGER ARMY AMMUNITION PLANT (CD)  FIVE-YEAR REVIEW REPORT, DETERRENT  BURNING GROUND (CD)  Engineers/Base  Realignment & Closure  Division  STATE OF WISCONSIN - DEPARTMENT OF  Wisconsin Department of JAN-2009   |      |  |                        | JAIN-2009  |
| FIVE-YEAR REVIEW REPORT, DETERRENT  BURNING GROUND (CD)  Engineers/Base Realignment & Closure Division  STATE OF WISCONSIN - DEPARTMENT OF  Wisconsin Department of JAN-2009   |      |  | Almy/SpecFio, inc.     |            |
| BURNING GROUND (CD)  Engineers/Base Realignment & Closure Division  STATE OF WISCONSIN - DEPARTMENT OF  Wisconsin Department of JAN-2009   |      |  | U.S. Army Corps of     | JAN-2009   |
| Realignment & Closure Division STATE OF WISCONSIN - DEPARTMENT OF Wisconsin Department of JAN-2009   |      |  |                        | 07417 2000 |
| Division   STATE OF WISCONSIN - DEPARTMENT OF   Wisconsin Department of   JAN-2009   |      | (,   |                        |            |
|  |      |  |                        |            |
| NATURAL RESOURCES, SUBSTANCE RELEASE Natural Resources   |      |  |                        | JAN-2009   |
|  |      |  | Natural Resources      |            |
| NOTIFICATION REPORTS (SERTS) OF 01/26/2009   |      |  |                        |            |
| (CD)   |      | (CD)                                       |                        |            |

Final BADGER ARMY AMMUNITION PLANT Installation Action Plan - 43

Date

**Author** 

2009

Title

| Title                                       | Author                       | Date                                    |
|---|------------------------------|---|
|   |                              |   |
| CONSTRUCTION DOCUMENTATION REPORT,          | Department of the            | FEB-2009                                |
| PROPELLANT BURNING GROUND PHASE 2, CAP      | Army/SpecPro, Inc.           |   |
| CONSTRUCTION (CD)                           |                              |   |
| GRUBER'S GROVE BAY QUALITY ASSURANCE        | Department of the            | FEB-2009                                |
| PROJECT PLAN AND FIELD SAMPLING PLAN (CD)   | Army/SpecPro, Inc.           |   |
| PARCEL O4 SOLVENT ABOVEGROUND STORAGE       | Department of the            | FEB-2009                                |
| TANK REMDIATION REPORT (CD)                 | Army/SpecPro, Inc.           |   |
| SUPPLEMENTAL INFORMATION FOR PARCELS 07,    | Department of the            | FEB-2009                                |
| P2, H1, AND V POST-DEMOLITION SAMPLING (CD) | Army/SpecPro, Inc.           |   |
| SOLID WASTE FACILITY CLOSURE AND LONG-      | Wisconsin Department of      | FEB-2009                                |
| TERM CARE LICENSE FOR LANDFILL LICENSE      | Natural Resources            |   |
| NUMBER 3118 (CD)                            |                              |   |
| GROUNDWATER MONITORING DATA                 | Department of the            | MAR-2009                                |
| CERTIFICATIONS, EXCEEDANCE REPORTS, ALL     | Army/SpecPro, Inc.           |   |
| HITS REPORTS, SAMPLED WELLS LIST, SAMPLED   | <b>3 1</b>                   |   |
| WELLS MAP (CD)                              |                              |   |
| REVIEW OF PROPELLANT BURNING GROUND         | Wisconsin Department of      | MAR-2009                                |
| PHASE 2 CAP CONSTRUCTION DOCUMENTATION      | Natural Resources            |   |
| REPORT (CD)                                 | Transaction of the second    |   |
| FINAL CASE CLOSURE FOR THE BAAP - PARCEL 04 | Wisconsin Department of      | MAR-2009                                |
| SOLVENT ASTs (LEAD) CASE; SAUK COUNTY;      | Natural Resources            | 111111111111111111111111111111111111111 |
| BRRTS NUMBER 02-57-553336 (CD)              | Tratara resources            |   |
| GROUNDWATER NARRATIVE SUMMARY REPORT        | Department of the            | JUN-2009                                |
| (CD)  | Army/SpecPro, Inc.           | 0011 2000                               |
| FINAL AMENDMENT 9 EXPLOSIVE SAFETY          | Shaw Environmental,          | JUN-2009                                |
| SUBMISSION (ESS) FOR PROCESS AND SANITARY   | Inc./U.S. Army Corps of      | 0011 2000                               |
| SEWER REMOVAL, BADGER ARMY AMMUNITION       | Engineers                    |   |
| PLANT (CD)                                  | Linginicers                  |   |
| HIGHWAY 78 NORTH DITCH REMEDIAL             | Department of the Army       | JUN-2009                                |
| INVESTIGATION REPORT (CD)                   | Boparamoni or ano 7 anny     | 0011 2000                               |
| GROUNDWATER MONITORING DATA                 | Department of the            | JUN-2009                                |
| CERTIFICATIONS, EXCEEDANCE REPORTS, ALL     | Army/SpecPro, Inc.           | 0011 2000                               |
| HITS REPORTS, SAMPLED WELLS LIST, SAMPLED   | / my/opedi 10, me.           |   |
| WELLS MAP (CD)                              |                              |   |
| OFF-SITE GROUNDWATER MONITORING DATA        | Department of the            | JUL-2009                                |
| CERTIFICATION, EXCEEDANCE REPORT, ALL HITS  | Army/SpecPro, Inc.           | 002 2000                                |
| REPORT, SAMPLED WELLS LIST, SAMPLED WELLS   | / my/opedi 10, me.           |   |
| MAPS (CD)                                   |                              |   |
| HIGHWAY 78 NORTH DITCH GROUNDWATER          | Department of the Army       | SEP-2009                                |
| INVESTIGATION REPORT (CD)                   | Boparamoni or and 7 anny     | 021 2000                                |
| GROUNDWATER MONITORING DATA                 | Department of the            | SEP-2009                                |
| CERTIFICATIONS, EXCEEDANCE REPORTS, ALL     | Army/SpecPro, Inc.           | 02. 2000                                |
| HITS REPORTS, SAMPLED WELLS LIST, SAMPLED   | / umy/ <b>o</b> peon 10, mon |   |
| WELLS MAP (CD)                              |                              |   |
| CONDITIONAL CLOSURE OF THE STH 78 NORTH     | Wisconsin Department of      | OCT-2009                                |
| DITCH CONTAMINATED SOIL CASE (CD)           | Natural Resources            | 001 2000                                |
| BASELINE ECOLOGICAL RISK ASSESSMENT WORK    | Department of the            | OCT-2009                                |
| PLAN, SETTLING PONDS & SPOILS DISPOSAL      | Army/SpecPro, Inc.           | 001 2000                                |
| AREAS SITE, BADGER ARMY AMMUNITION PLANT    | ,, opoor 10, iiio.           |   |
| (CD)  |                              |   |
| CONSTRUCTION DOCUMENTATION REPORT,          | Department of the            | NOV-2009                                |
| PHASE 4 LINER CONSTRUCTION, EXPANSION OF    | Army/SpecPro, Inc.           | 110 1 2003                              |
| LANDFILL 03646 (CD)                         | / may open 10, me.           |   |
| GRUBER'S GROVE BAY SEDIMENT SAMPLING        | Department of the            | NOV-2009                                |
| CRODERO GROVE DAT GEDIMENT GAMI LING        | Dopartment of the            | 140 4-2003                              |

|      | Title  | Author                               | Date           |
|------|--|--------------------------------------|----------------|
| 2009 |  | T                                    |                |
|      | REPORT (CD)  | Army/SpecPro, Inc.                   |                |
|      | DRAFT REVISED REMEDIATION GOALS PROPOSAL                                       | DEPT. OF THE ARMY                    | NOV-2009       |
|      | FOR THE ALT FS FINAL CREEK, SETTLING PONDS,                                    | LETTER                               |                |
|      | AND SPOILS DISPOSAL AREAS (CD)   |                                      |                |
|      | SEWER REMOVAL/REMEDIAL INVESTIGATION -   | Department of the Army               | NOV-2009       |
|      | PARCEL O7 (CD)   | Donoutes out of the                  | <br>  DEC 2000 |
|      | RECORD OF ENVIRONMENTAL CONSIDERATION,<br>UPDATE TO THE BADGER ARMY AMMUNITION | Department of the Army/SpecPro, Inc. | DEC-2009       |
|      | PLANT RECORD OF DECISION AND   | Amy/Specero, inc.                    |                |
|      | ENVIRONMENTAL IMPACT STATEMENT (CD)  |                                      |                |
|      | DRAFT FINDING OF SUITABILITY TO TRANSFER                                       | Department of the Army               | DEC-2009       |
|      | (FOST), HO-CHUNK NATION, PARCELS O3 AND P1                                     | Doparamont of the 7 thing            | 220 2000       |
|      | (CD)   |                                      |                |
|      | GROUNDWATER MONITORING DATA  | Department of the                    | DEC-2009       |
|      | CERTIFICATIONS, EXCEEDANCE REPORTS, ALL  | Army/SpecPro, Inc.                   |                |
|      | HITS REPORTS, SAMPLED WELLS LIST, SAMPLED                                      |                                      |                |
|      | WELLS MAP (CD)   |                                      |                |
| 2010 |  |                                      |                |
|      | STATE HIGHWAY 78 NORTH DITCH FINAL CLOSURE                                     | Department of the Army               | JAN-2010       |
|      | REQUEST AND PROPERTY CERTIFICATION   |                                      |                |
|      | DOCUMENT (CD)  |                                      |                |
|      | SEWER REMOVAL/REMEDIAL ACTION IN PARCEL K4                                     | Department of the Army               | JAN-2010       |
|      | - WDNR CLOSURE REQUEST (CD)  |                                      |                |
|      | REMEDIAL ACTION IN PARCEL P5 - WDNR  | Department of the Army               | JAN-2010       |
|      | CLOSURE REQUEST (CD)   | Demonstrate and of the August        |                |
|      | NORTHEAST BOUNDARY GROUNDWATER<br>INVESTIGATION REPORT, BADGER ARMY            | Department of the Army               | JAN-2010       |
|      | AMMUNITION PLANT (CD)  |                                      |                |
|      | WDNR LETTER: FINAL CASE CLOSURE FOR THE  | Wisconsin Department of              | JAN-2010       |
|      | BAAP - PARCEL O7 POST-DEMOLITION AND   | Natural Resources                    | 07.11 2010     |
|      | SEWER REMOVAL CASE (CD)  |                                      |                |
|      | PARCEL O4 - REMEDIAL INVÉSTIGATION/REMEDIAL                                    | Department of the Army               | JAN-2010       |
|      | ACTION (CD)  |                                      |                |
|      | DOCUMENTATION OF ANNUAL MAINTENANCE  | Department of the                    | JAN-2010       |
|      | ACTIVITIES 2009, CLOSED, COVERED, AND CAPPED                                   | Army/SpecPro, Inc.                   |                |
|      | SITES, BADGER ARMY AMMUNITION PLANT (CD)                                       |                                      |                |
|      | DRAFT ENVIRONMENTAL CONDITION OF   | Department of the                    | JAN-2010       |
|      | PROPERTY (ECP) UPDATES, AND PARCEL T, ECP CATEGORY CHANGE RATIONALE (CD)       | Army/SpecPro, Inc.                   |                |
|      | WDNR LETTER: FINAL CASE CLOSURE FOR THE  | Wisconsin Department of              | JAN-2010       |
|      | BAAP - STH 78 NORTH DITCH CONTAMINATED SOIL                                    | Natural Resource                     | JAN-2010       |
|      | CASE, BRRTS NUMBER 02-57-554197 (CD)   | Natural Nessource                    |                |
|      | ENVIRONMENTAL CONDITION OF PROPERTY (ECP),                                     | Department of the                    | FEB-2010       |
|      | PARCELS O, O3, O5, AND X1, ECP CATEGORY  | Army/SpecPro, Inc.                   |                |
|      | CHANGE RATIONALE (CD)  |                                      |                |
|      | PARCEL P2 REMEDIAL ACTION - WDNR CLOSURE                                       | Department of the Army               | FEB-2010       |
|      | REQUEST (CD)   |                                      |                |
|      | PARCEL P5 ADDITIONAL SAMPLING - WDNR   | Department of the Army               | FEB-2010       |
|      | CLOSURE REQUEST (CD)   |                                      |                |
|      | DRAFT FINDING OF SUITABILITY TO TRANSFER                                       | Department of the Army               | MAR-2010       |
|      | (FOST), NATIONAL PARK SERVICE, WISCONSIN                                       |                                      |                |
|      | DEPARTMENT OF NATURAL RESOURCES, PARCEL  |                                      |                |

P6 (CD)

Title Author Date 2010

| WDNR LETTER: FINAL CASE CLOSURE FOR THE BAAP - PARCEL O4 POST-DEMOLITION & SEWER       | Wisconsin Department of Natural Resources    | MAR-2010                                |
|--|--|---|
| REMOVAL SITE; SAUK COUNTY; BRRTS NUMBER  |  |   |
| 02-57-554923 (CD)  |  |   |
| WDNR LETTER: FINAL CASE CLOSURE FOR THE  | Wisconsin Department of                      | MAR-2010                                |
| BAAP - PARCEL P5 POST-DEMOLITION SITE; SAUK  | Natural Resources                            |   |
| COUNTY; BRRTS NUMBER 02-57-554817 (CD)   | D ( ( ( ) A                                  | NAAD 0040                               |
| PARCEL P4 REMEDIAL ACTION/SEWER REMOVAL  | Department of the Army                       | MAR-2010                                |
| REPORT - WDNR CLOSURE REQUEST (CD)   | Missansia Department of                      | MAR-2010                                |
| WDNR LETTER: FINAL CASE CLOSURE FOR THE<br>BAAP - PARCEL P2 POST-DEMOLITION SITE; SAUK | Wisconsin Department of<br>Natural Resources | WAR-2010                                |
| COUNTY; BRRTS NUMBER 02-57-553348 (CD)   | Natural Nesources                            |   |
| PARCEL S4 SEPTIC REMOVAL AND REMEDIAL  | Department of the Army                       | MAR-2010                                |
| ACTION - WDNR CLOSURE REQUEST (CD)   | Department of the Army                       | WIAIX-2010                              |
| GROUNDWATER MONITORING DATA  | Department of the                            | MAR-2010                                |
| CERTIFICATIONS, EXCEEDANCE REPORTS, ALL  | Army/SpecPro, Inc.                           |   |
| HITS REPORTS, SAMPLED WELLS LIST, SAMPLED  | .,   |   |
| WELLS MAP (CD)   |  |   |
| DEPARTMENT OF THE ARMY REQUEST LETTER  | Department of the                            | MAR-2010                                |
| AND WDNR APPROVAL LETTER FOR MIRM VAPOR  | Army/Wisconsin                               |   |
| PHASE PROCESS CHANGE (CD)  | Department of Natural                        |   |
|  | Resources                                    |   |
| PARCEL Q1 REMEDIAL ACTION/REMEDIAL   | Department of the Army                       | APR-2010                                |
| INVESTIGATION REPORT - WDNR CLOSURE  |  |   |
| REQUEST (CD)   |  |   |
| FINAL CASE CLOSURE FOR THE BAAP - PARCEL P4  | Wisconsin Department of                      | MAY-2010                                |
| POST-DEMOLITION AND SEWER REMOVAL SITE;  | Natural Resources                            |   |
| SAUK COUNTY; BRRTS NUMBER 02-57-553280 (CD)  | 100  | 111111111111111111111111111111111111111 |
| WDNR RESPONSE TO THE REVISED "GRUBER'S   | Wisconsin Department of                      | MAY-2010                                |
| GROVE BAY SEDIMENT SAMPLING REPORT",   | Natural Resources                            |   |
| DATED NOVEMBER 2009 (CD)<br>2010 GROUNDWATER NARRATIVE SUMMARY                         | Department of the                            | JUN-2010                                |
| REPORT (CD)  | Department of the Army/SpecPro, Inc.         | JUIN-2010                               |
| FINAL CASE CLOSURE FOR THE BAAP - PARCEL Q1  | Wisconsin Department of                      | JUN-2010                                |
| POST-DEMOLITION AND SEWER REMOVAL SITE;  | Natural Resources                            | 3014-2010                               |
| SAUK COUNTY; BRRTS NUMBER 02-57-555261 (CD)  | Natural Nessources                           |   |
| FINAL CASE CLOSURE FOR THE BAAP - PARCEL S4  | Wisconsin Department of                      | JUN-2010                                |
| POST-DEMOLITION AND SEPTIC SYSTEM REMOVAL  | Natural Resources                            | 00.1.20.0                               |
| SITE; SAUK COUNTY; BRRTS NUMBER 02-57-   |  |   |
| 555262 (CD)  |  |   |
| PARCEL R LEAD BURNING HOUSE REMEDIATION  | Department of the                            | JUN-2010                                |
| REPORT - WDNR CLOSURE REQUEST (CD)   | Army/SpecPro, Inc.                           |   |
| WDNR & DEPARTMENT OF THE ARMY LETTERS,   | Wisconsin Department of                      | JUN-2010                                |
| COMMENTS & RESPONSE TO COMMENTS ON BERA  | Natural                                      |   |
| REPORT FOR BAAP SETTLING PONDS & SPOILS  | Resources/Department of                      |   |
| DISPOSAL AREAS SITE (CD)   | the Army                                     |   |
| DRAFT FINDING OF SUITABILITY TO TRANSFER   | Department of the Army                       | JUN-2010                                |
| (FOST), BUREAU OF INDIAN AFFAIRS, HO-CHUNK   |  |   |
| NATION, PARCEL S4 (CD)   |  |   |
| GROUNDWATER MONITORING DATA  | Department of the                            | JUN-2010                                |
| CERTIFICATIONS, EXCEEDANCE REPORTS, ALL  | Army/SpecPro, Inc.                           |   |
| HITS REPORTS, SAMPLED WELLS LIST, SAMPLED  |  |   |
| WELLS MAP (CD)   |  |   |
| FINDING OF SUITABILITY TO TRANSFER (FOST),   | Department of the Army                       | JUL-2010                                |

Title Author Date 2010

| DUDEAU OF INDIAN AFFAIRS HIS SUBJECTION  | T                                       |                |
|--|---|----------------|
| BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION,<br>PARCEL O4 (CD)                             |   |                |
| FINDING OF SUITABILITY TO TRANSFER (FOST),<br>BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION, | Department of the Army                  | JUL-2010       |
| PARCEL 07 (CD)   |   |                |
| FINDING OF SUITABILITY TO TRANSFER (FOST),   | Department of the Army                  | JUL-2010       |
| NATIONAL PARK SERVICE, WISCONSIN<br>DEPARTMENT OF NATURAL RESOURCES, PARCEL              |   |                |
| P2 (CD)  |   |                |
| FINAL CASE CLOSURE FOR THE BAAP-LEAD   | Wisconsin Department of                 | JUL-2010       |
| BURNING HOUSE CASE (IN PARCEL R): SAUK   | Natural Resources                       |                |
| COUNTY: BRRTS NUMBER 02-57-555505 (CD) PARCEL O3 REMEDIAL INVESTIGATION REPORT -         | Department of the Army                  | JUL-2010       |
| WDNR CLOSURE REQUEST (CD)  | Department of the Anny                  | JUL-2010       |
| PARCEL R4 REMEDIAL INVESTIGATION REPORT -  | Department of the Army                  | JUL-2010       |
| WDNR 'NO FURTHER ACTION' REQUEST (CD)  |   |                |
| NO ACTION REQUIRED DETERMINATION FOR THE   | Wisconsin Department of                 | AUG-2010       |
| BAAP -PARCEL 03 POST-DEMOLITION SITE; SAUK   | Natural Resources                       |                |
| COUNTY; BRRTS NUMBER 02-57-555782 (CD)   | Department of the Army                  | ALIC 2010      |
| PARCEL U2 REMEDIAL INVESTIGATION/REMEDIAL ACTION REPORT - WDNR CLOSURE REQUEST (CD)      | Department of the Army                  | AUG-2010       |
| PARCEL K4 CLOSURE REQUEST (CD)   | Department of the Army                  | AUG-2010       |
| NO ACTION REQUIRED   | Wisconsin Department of                 | AUG-2010       |
| DETERMINATION(CORRECTED)FOR THE BAAP -   | Natural Resources                       | AUG-2010       |
| PARCEL R4 UST SOIL INV.; SAUK COUNTY; BRRTS  | Tratara resources                       |                |
| NUMBER 02-57-555784 (CD)   |   |                |
| PARCEL Q2 REMEDIAL INVESTIGATION/REMEDIAL  | Department of the Army                  | AUG-2010       |
| ACTION REPORT - WDNR CLOSURE REQUEST (CD)  |   |                |
| NORTHEAST BOUNDARY WELLS GROUNDWATER   | Department of the                       | AUG-2010       |
| MONITORING DATA CERTIFICATION & ALL HITS REPORT, SAMPLED WELLS LIST & SAMPLED WELLS      | Army/SpecPro, Inc.                      |                |
| MAP (CD)   |   |                |
| RESIDENTIAL WELLS GROUNDWATER MONITORING   | Department of the                       | AUG-2010       |
| DATA CERTIFICATION AND EXCEEDANCE REPORT   | Army/SpecPro, Inc.                      |                |
| AND ALL HITS REPORT, SAMPLED WELLS LIST, AND   |   |                |
| SAMPLED WELLS MAPS (CD)  |   | 050 0040       |
| RESTORATION ADVISORY BOARD MEETING   | Department of the Army                  | SEP-2010       |
| MINUTES FOR SEPTEMBER 29, 2010 (CD) BADGER ARMY AMMUNITION PLANT, LOCATIONS              | Department of the                       | <br>  SEP-2010 |
| OF OFF-SITE WELLS AND PRIVATE WELLS MAP  | Army/SpecPro, Inc.                      | OL1 -2010      |
| (CD)   | , |                |
| FINÁL CASE CLOSURE FOR THE BAAP - PARCEL U2  | Wisconsin Department of                 | SEP-2010       |
| POST-DEMOLITION & SEWER REMOVAL SITE; SAUK   | Natural Resources                       |                |
| COUNTY; BRRTS NUMBER 02-57-555903 (CD)   |   | 1000           |
| FINAL CASE CLOSURE FOR THE BAAP - PARCEL K4  | Wisconsin Department of                 | SEP-2010       |
| POST-DEMOLITION & SEWER REMOVAL SITE; SAUK COUNTY; BRRTS NUMBER 02-57-554924 (CD)        | Natural Resources                       |                |
| FINAL CASE CLOSURE FOR THE BAAP - PARCEL Q2  | Wisconsin Department of                 | <br>  SEP-2010 |
| POST-DEMOLITION & SEWER REMOVAL SITE; SAUK   | Natural Resources                       | 321 2010       |
| COUNTY; BRRTS NUMBER 02-57-555902 (CD)   |   |                |
| GRUBER'S GROVE BAY SEDIMENT SAMPLING   | Department of the                       | SEP-2010       |
| REPORT & DEPARTMENT OF THE ARMY LETTER   | Army/SpecPro, Inc.                      |                |
| RESPONSE TO WDNR COMMENTS ON 2009 GGB  |   |                |
| REPORT (CD)  |   | 1              |

Title Author Date 2010

|   | 71411101                  |            |
|---|---------------------------|------------|
| NORTHEAST BOUNDARY MONITORING WELL          | Department of the         | SEP-2010   |
| INSTALLATION REPORT (CD)                    | Army/SpecPro, Inc.        | 3EF-2010   |
| GROUNDWATER MONITORING DATA                 | Department of the         | SEP-2010   |
| CERTIFICATIONS, EXCEEDANCE REPORTS, ALL     | Army/SpecPro, Inc.        | SEP-2010   |
| HITS REPORTS, SAMPLED WELLS LIST, SAMPLED   | Allily/SpecFlo, Ilic.     |            |
| WELLS MAP (CD)                              |                           |            |
| DRAFT FINDING OF SUITABILITY TO TRANSFER    | Department of the Army    | OCT-2010   |
| (FOST), NATIONAL PARK SERVICE, WISCONSIN    | Department of the Army    | 001-2010   |
| DEPARTMENT OF NATURAL RESOURCES, PARCEL     |                           |            |
| R4 (CD)                                     |                           |            |
| PARCEL R1 - SEWER REMOVAL/REMEDIAL          | Department of the Army    | OCT-2010   |
| INVESTIGATION REPORT - WDNR CLOSURE         | Department of the Army    | 001-2010   |
| REQUEST (CD)                                |                           |            |
| WDNR CONCURRENCE FOR PARCEL R4              | Department of the Army    | OCT-2010   |
| ENVIRONMENTAL CONDITION OF PROPERTY         | Department of the Army    | 001-2010   |
| CATEGORY (CD)                               |                           |            |
| FEASIBILITY REPORT, CONTIGUOUS ADDITION TO  | Department of the         | OCT-2010   |
| LANDFILL 3646 (CD)                          | Army/SpecPro, Inc.        | 001-2010   |
| GROUNDWATER MONITORING DATA                 | Department of the         | OCT-2010   |
| CERTIFICATIONS, EXCEEDANCE REPORTS, ALL     | Army/SpecPro, Inc.        | 001-2010   |
| HITS REPORTS, SAMPLED WELLS LIST, SAMPLED   | Anny/opeci 10, inc.       |            |
| WELLS MAP (CD)                              |                           |            |
| CONSTRUCTION DOCUMENTATION REPORT,          | Department of the         | NOV-2010   |
| PHASE 5 LINER CONSTRUCTION, LANDFILL 3646   | Army/SpecPro, Inc.        | 140 4-2010 |
| (CD)  | Anny/opeci 10, inc.       |            |
| NO ACTION REQUIRED DETERMINATION FOR THE    | Wisconsin Department of   | NOV-2010   |
| BAAP -PARCEL R1 SEWER                       | Natural Resources         | 140 7 2010 |
| REMOVAL/INVESTIGATION SITE; SAUK COUNTY;    | ratural resources         |            |
| BRRTS NUMBER 02-57-556305 (CD)              |                           |            |
| PARCEL U3 - REMEDIAL INVESTIGATION/REMEDIAL | Department of the Army    | NOV-2010   |
| ACTION SUMMARY REPORT - WDNR CLOSURE        | Doparation of the 7 thing | 110 7 2010 |
| REQUEST (CD)                                |                           |            |
| GROUNDWATER STANDARDS EXEMPTION             | Department of the         | NOV-2010   |
| REQUEST, FEASIBILITY REPORT - ADDENDUM      | Army/SpecPro, Inc.        |            |
| NUMBER 1, CONTIGUOUS ADDITION TO LANDFILL   | <b>3 1</b>                |            |
| 3646 (CD)                                   |                           |            |
| FINDING OF SUITABILITY TO TRANSFER (FOST),  | Department of the Army    | DEC-2010   |
| NATIONAL PARK SERVICE, WISCONSIN `          |                           |            |
| DEPARTMENT OF NATURAL RESOURCES, PARCEL     |                           |            |
| P4 (CD)                                     |                           |            |
| FINDING OF SUITABILITY TO TRANSFER (FOST),  | Department of the Army    | DEC-2010   |
| BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION,  |                           |            |
| PARCEL Q1 (CD)                              |                           |            |
| FINDING OF SUITABILITY TO TRANSFER (FOST),  | Department of the Army    | DEC-2010   |
| BUREAU OF INDIAN AFFAIRS, HO-CHUNK NATION,  |                           |            |
| PARCEL R1 (CD)                              |                           |            |
| FEASIBILITY REPORT - ADDENDUM NUMBER 2,     | Department of the         | DEC-2010   |
| CONTIGUOUS ADDITION TO LANDFILL 3646 (CD)   | Army/SpecPro, Inc.        |            |
| WDNR COMPLETENESS DETERMINATION OF THE      | Wisconsin Department of   | DEC-2010   |
| FEASIBILITY REPORT FOR THE CONTIGUOUS       | Natural Resources         |            |
| ADDITION TO LANDFILL 3646, EA & DECISION ON |                           |            |
| THE NEED FOR AN EIS (CD)                    |                           |            |
| WDNR LINER CONSTRUCTION DOCUMENTATION       | Wisconsin Department of   | DEC-2010   |
| APPROVALS - BADGER CONSTRUCTION &           | Natural Resources         |            |
|   |                           |            |

|      | Title  | Author  | Date     |
|------|--|---|----------|
| 2010 |  |   |          |
|      | DEMOLITION LANDFILL, SITE NO. 03646 (PHASE 4 & PHASE 5) (CD)   |   |          |
|      | GROUNDWATER MONITORING DATA CERTIFICATIONS, EXCEEDANCE REPORTS, ALL HITS REPORTS, SAMPLED WELLS LIST, SAMPLED WELLS MAP (CD)                       | Department of the Army/SpecPro, Inc.                        | DEC-2010 |
| 2011 |  |   |          |
|      | RESTORATION ADVISORY BOARD MEETING<br>MINUTES FOR JANUARY 11, 2011 (CD)  | Department of the Army                                      | JAN-2011 |
|      | PARCEL P3 - REMEDIAL INVESTIGATION/REMEDIAL ACTION REPORT - WDNR CLOSURE REQUEST (CD)  | Department of the Army                                      | JAN-2011 |
|      | LIABILITY CLARIFICATION AND CURRENT<br>CONDITIONS AT BADGER ARMY AMMUNITION<br>PLANT PARCEL R4, SAUK COUNTY; BRRTS #07-57-<br>556497 (CD)          | Wisconsin Department of<br>Natural Resources                | JAN-2011 |
|      | DOCUMENTATION OF ANNUAL MAINTENANCE<br>ACTIVITIES 2010, CLOSED, COVERED AND CAPPED<br>SITES, BADGER ARMY AMMUNITION PLANT (CD)                     | Department of the Army                                      | JAN-2011 |
|      | PLAN OF OPERATION REPORT, CONTIGUOUS<br>ADDITION TO LANDFILL 3646 (CD)   | Department of the Army/SpecPro, Inc.                        | FEB-2011 |
|      | WDNR RESPONSE TO THE REVISED "GRUBER'S GROVE BAY SEDIMENT SAMPLING REPORT", DATED AUGUST 2010 (CD)   | Wisconsin Department of<br>Natural Resources                | FEB-2011 |
|      | WDNR LETTER, FINAL CASE CLOSURE AND NO-<br>ACTION-REQUIRED DETERMINATION FOR BAAAP<br>PARCEL P3 RI/RA/PROCESS SEWER REOVAL<br>PROJECTS (CD)        | Wisconsin Department of<br>Natural Resources                | MAR-2011 |
|      | ADDENDUM NUMBER 1, PLAN OF OPERATION<br>REPORT, CONTIGUOUS ADDITION TO LANDFILL<br>3646 (CD)   | Department of the<br>Army/SpecPro, Inc                      | MAR-2011 |
|      | ADDENDÚM NUMBER 2, PLAN OF OPERATION<br>REPORT, CONTIGUOUS ADDITION TO LANDFILL<br>3646 (CD)   | Department of the Army/SpecPro, Inc.                        | MAR-2011 |
|      | DEPARTMENT OF THE ARMY LETTER, SUBJECT:<br>PARCEL U3 WISCONSIN DEPARTMENT OF<br>NATURAL RESOURCES CLOSURE REQUEST (CD                              | Department of the Army                                      | MAR-2011 |
|      | MARCH 2011 GROUNDWATER MONITORING DATA<br>CERTIFICATIONS, EXCEEDANCE REPORTS, ALL<br>HITS REPORTS, SAMPLED WELLS LISTS, SAMPLED<br>WELLS MAPS (CD) | Department of the Army/SpecPro, Inc.                        | MAR-2011 |
|      | FINAL CASE CLOSURE AND NO-ACTION-REQUIRED DETERMINATION FOR BAAAP PARCEL P3 RI/RA/PROCESS SEWER REMOVAL PROJECTS (CD)                              | Wisconsin Department of<br>Natural Resources                | MAR-2011 |
|      | BADGER ARMY AMMUNITION PLANT TECHNICAL<br>ASSISTANCE PUBLIC PARTICIPATION (TAPP)<br>GRANT APPEAL (CD)  | Department of the Army                                      | APR-2011 |
|      | SUPPLEMENTAL INFORMATION, ADDENDUM<br>NUMBER 2, PLAN OF OPERATION REPORT,<br>CONTIGUOUS ADDITION TO LANDFILL 3646 (CD)                             | Department of the Army/SpecPro, Inc                         | APR-2011 |
|      | AFTER ACTION REPORT, EXPLOSIVE SAFETY SUBMISSION, AMENDMENT 1 (CD)   | Shaw Environmental,<br>Inc./U.S. Army Corps of<br>Engineers | APR-2011 |
|      | APRIL 2011 INSPIRATION DRIVE AREA<br>GROUNDWATER MONITORING DATA   | Department of the Army/SpecPro, Inc.                        | APR-2011 |

Title Author Date 2011

| CERTIFICATION AND ALL HITS REPORT, SAMPLED WELLS LIST AND MAPS (CD)             |                                       |            |
|---|---------------------------------------|------------|
| RESTORATION ADVISORY BOARD MEETING  | Department of the Army                | APR-2011   |
| MINUTES FOR APRIL 11, 2011 (CD)   | Department of the Anny                | AI IX-2011 |
| ADDITIONAL SUPPLEMENTAL INFORMATION,  | Department of the                     | MAY-2011   |
| ADDENDUM NUMBER 2, PLAN OF OPERATION  | Army/SpecPro, Inc.                    |            |
| REPORT, CONTIGUOUS ADDITION TO LANDFILL   | , , , , , , , , , , , , , , , , , , , |            |
| 3646 (CD)   |                                       |            |
| DEPARTMENT OF THE ARMY LETTER, SUBJECT:   | Department of the                     | MAY-2011   |
| PARCEL Y1 WISCONSIN DEPARTMENT OF   | Army/SpecPro, Inc.                    |            |
| NATURAL RESOURCES CLOSURE REQUEST (CD)  |                                       |            |
| DEPARTMENT OF THE ARMY LETTER, SUBJECT:   | Department of the                     | JUN-2011   |
| PARCEL R3 TRUCK GARAGE (ACCOUNT #0518-00)                                       | Army/Badger Technical                 |            |
| WDNR CLOSURE REQUEST (CD)   | Services, LLC                         |            |
| DEPARTMENT OF THE ARMY LETTER, SUBJECT:   | Department of the                     | JUN-2011   |
| PARCEL X2 WISCONSIN DEPARTMENT OF   | Army/SpecPro, Inc.                    |            |
| NATURAL RESOUCES CLOSURE REQUEST (CD)   | December 2 of the                     | IIIIN 0044 |
| 2011 GROUNDWATER NARRATIVE SUMMARY  | Department of the                     | JUN-2011   |
| REPORT (CD) JUNE 2011 GROUNDWATER MONITORING DATA                               | Army/SpecPro, Inc Department of the   | JUN-2011   |
| CERTIFICATIONS, EXCEEDANCE REPORTS, ALL   | Army/SpecPro, Inc.                    | JUIN-2011  |
| HITS REPORTS, SAMPLED WELLS LIST, SAMPLED                                       | Amy/SpecFio, inc.                     |            |
| WELLS MAP (CD)  |                                       |            |
| RESTORATION ADVISORY BOARD MEETING  | Department of the Army                | JUN-2011   |
| MINUTES FOR JUNE 20, 2011 (CD)  | Department of the 74miy               | 0014 2011  |
| DEPARTMENT OF THE ARMY LETTER, SUBJECT:   | Department of the                     | JUL-2011   |
| PARCEL Y LEACHATE RELEASE INTERIM ACTION  | Army/Badger Technical                 | 332 23     |
| REPORT (CD)   | Services, LLC                         |            |
| FINDING OF SUITABILITY TO TRANSFER (FOST),                                      | Department of the Army                | JUL-2011   |
| NATIONAL PARK SERVICE, WISCONSIN `  |                                       |            |
| DEPARTMENT OF NATURAL RESOURCES, PARCEL   |                                       |            |
| P3 (CD)   |                                       |            |
| AUGUST 2011 WEIGANDS BAY AREA   | Department of the                     | AUG-2011   |
| GROUNDWATER MONITORING DATA   | Army/SpecPro, Inc.                    |            |
| CERTIFICATIONS, EXCEEDANCE REPORTS, ALL   |                                       |            |
| HITS REPORTS, SAMPLED WELLS LIST, SAMPLED                                       |                                       |            |
| WELLS MAP (CD)  |                                       |            |
| DEPARTMENT OF THE ARMY LETTER, SUBJECT:   | , Department of the                   | AUG-2011   |
| PARCELS V, V2, AND V3 WISCONSIN DEPARTMENT                                      | Army/SpecPro, Inc.                    |            |
| OF NATURAL RESOURCES CLOSURE REQUEST  |                                       |            |
| (CD)  | NA in a sure in Day and an and a f    | OED 0044   |
| WDNR LETTER, NO FURTHER ACTION  | Wisconsin Department of               | SEP-2011   |
| DETERMINATION FOR PARCEL R3 TRUCK GARAGE REMEDIAL INVESTIGATION/REMEDIAL ACTION | Natural Resources                     |            |
|   |                                       |            |
| PROJECT, BRRTS 03-57-557583 (CD<br>WDNR LETTER, NO FURTHER ACTION               | Wisconsin Department of               | SEP-2011   |
| DETERMINATION FOR PARCEL Y1 LEACHATE  | Natural Resources                     | JLF-2011   |
| RELEASE INTERIM REMEDIAL ACTION, BRRTS  | 14atalal Nesoulces                    |            |
| NUMBER 02-57-557590 (CD)  |                                       |            |
| DRAFT RESTORATION ADVISORY BOARD MEETING  | , Department of the Army              | SEP-2011   |
| MINUTES FOR SEPTEMBER 12, 2011 (CD)   | , Dopartinont of the Airliy           | JE1 2011   |
| WDNR LETTERS (2) REGARDING SOIL TESTING FOR                                     | Wisconsin Department of               | SEP-2011   |
| DINITROTOLUENE ISOMERS (CD)   | Natural Resources                     | 32. 23.1   |
| SEPTEMBER 2011 GROUNDWATER MONITORING   | Department of the                     | SEP-2011   |
|   | •                                     |            |

|      | Title   | Author                              | Date       |
|------|---|-------------------------------------|------------|
| 2011 |   |                                     |            |
|      | DATA CERTIFICATIONS, EXCEEDANCE REPORTS,                                | Army/SpecPro, Inc.                  |            |
|      | ALL HITS REPORTS, SAMPLED WELLS LISTS,                                  |                                     |            |
|      | SAMPLED WELLS MAPS (CD  |                                     |            |
|      | WDNR LETTERS (2) REGARDING SOIL TESTING FOR                             | Wisconsin Department of             | NOV-2011   |
|      | DINITROTOLUENE ISOMERS (CD)   | Natural Resources                   |            |
|      | DEPARTMENT OF THE ARMY LETTER, SUBJECT:                                 | Department of the Army              | NOV-2011   |
|      | DETERRENT BURNING GROUND ¿ FINAL REMEDY                                 |                                     |            |
|      | ENHANCED BIODEGRADATION SYSTEM  |                                     |            |
|      | NOTIFICATION OF DISCONTINUANCE (CD)                                     |                                     | DEC 2011   |
|      | DEPARTMENT OF THE ARMY LETTER, SUBJECT:                                 | Department of the                   | DEC-2011   |
|      | PARCELS K AND V1 ¿ LEACHATE RELEASE                                     | Army/Badger Technical               |            |
|      | REMEDIAL ACTION REPORT (CD)   | Services, LLC                       | DE0 0044   |
|      | CONSTRUCTION DOCUMENTATION REPORT,                                      | , Department of the                 | DEC-2011   |
|      | PHASE 6 LINER CONSTRUCTION, LANDFILL 3646                               | Army/Badger Technical Services, LLC |            |
|      | (CD) REVISED ALTERNATIVE FEASIBILITY STUDY,                             | Department of the                   | DEC-2011   |
|      | GROUNDWATER REMEDIAL STRATEGY   | Army/Badger Technical               | DLO-2011   |
|      | (SEPTEMBER 2011 SCS BT SQUARED COMMENTS &                               | Services, LLC                       |            |
|      | FEBRUARY 2012 CORRECTIONS) (CD)   | Oct vices, LLO                      |            |
|      | REVISED ALTERNATIVE FEASIBILITY STUDY,                                  | Department of the                   | DEC-2011   |
|      | GROUNDWATER REMEDIAL STRATEGY   | Army/Badger Technical               | 520 2011   |
|      | (SEPTEMBER 2011 SCS BT SQUARED COMMENTS &                               | Services, LLC                       |            |
|      | FEBRUARY 2012 CORRECTIONS) (CD)   |                                     |            |
| 2012 |   | T                                   |            |
|      | DEPARTMENT OF THE ARMY LETTER, SUBJECT:                                 | Department of the                   | JAN-2012   |
|      | PARCEL Q3 WISCONSIN DEPARTMENT OF                                       | Army/SpecPro, Inc                   | 0/114 2012 |
|      | NATURAL RESOURCES CLOSURE REQUEST (CD)                                  | / willy/opeon to, me                |            |
|      | PARCEL R LOCOMOTIVE SHOP WISCONSIN                                      | Department of the                   | JAN-2012   |
|      | DEPARTMENT OF NATURAL RESOURCES CLOSURE                                 | Army/Badger Technical               |            |
|      | REPORT (CD)   | Services, LLC                       |            |
|      | WDNR LETTÉR, SUBJECT: NO FURTHER ACTION                                 | Wisconsin Department of             | JAN-2012   |
|      | DETERMINATION FOR PARCEL R LOCOMOTIVE                                   | Natural Resources                   |            |
|      | SHOP CLEANUP, BRRTS NUMBER 02-57-558278                                 |                                     |            |
|      | (CD)  |                                     |            |
|      | DOCUMENTATION OF ANNUAL MAINTENANCE                                     | Department of the Army              | JAN-2012   |
|      | ACTIVITIES, 2011, CLOSED, COVERED AND CAPPED                            |                                     |            |
|      | SITES, BADGER ARMY AMMUNITION PLANT (CD)                                |                                     |            |
|      | CONSTRUCTION DOCUMENTATION REPORT,                                      | Department of the                   | JAN-2012   |
|      | PHASES 1 & 2 FINAL COVER, LANDFILL 3646 (CD)                            | Army/Badger Technical               |            |
|      |   | Services, LLC                       | 111112212  |
|      | WDNR LETTER, SUBJECT: PHASE 6 LINER                                     | Wisconsin Department of             | JAN-2012   |
|      | CONSTRUCTION DOCUMENTATION APPROVAL,                                    | Natural Resources                   |            |
|      | FOR THE CONSTRUCTION AND DEMOLITION                                     |                                     |            |
|      | LANDFILL (SITE NO. 03646) (CD)  | Demonstrates and of the             | <br>       |
|      | REVISED ALTERNATIVE FEASIBILITY STUDY,                                  | Department of the                   | FEB-2012   |
|      | GROUNDWATER REMEDIAL STRATEGY (SEPTEMBER 2011 SCS BT SQUARED COMMENTS & | Army/Badger Technical Services, LLC |            |
|      |   | Services, LLC                       |            |
|      | FEBRUARY 2012 CORRECTIONS) (CD) WDNR PRELIMINARY DETERMINATION OF       | Wisconsin Department of             | FEB-2012   |
|      | FEASIBILITY FOR AN ALTERNATIVE  | Natural Resources                   | 1 60-2012  |
|      | GROUNDWATER REMEDIAL STRATEGY AT AND                                    | I vaturar i vesources               |            |
|      | NEAR THE BADGER ARMY AMMUNITION PLANT (CD)                              |                                     |            |
|      | THE BADGER ARMI AMIMOMITION LAINT (CD)                                  |                                     |            |

20

## **BADGER ARMY AMMUNITION PLANT**

Non-BRAC Excess
Installation Restoration Program
Site Descriptions

# Site ID: BAAP-001 Site Name: SETTLING PONDS/SPOILS DISPOSAL AREA

## STATUS

Parcel: Parcel T1 (147.41 acres), Parcel M1 (160.6

acres), Parcel DOT (60.21 acres), Parcel C (114.22

acres)

Regulatory Driver: RCRA

**RRSE: MEDIUM** 

Contaminants of Concern: Explosives, Metals

Media of Concern: Groundwater, Soil

| <u>Phases</u> | Start  | <u>End</u> |
|---------------|--------|------------|
| RFA           | 197701 | 197705     |
| CS            | 197701 | 197705     |
| RFI/CMS       | 198808 | 201009     |
| DES           | 199501 | 201012     |
| IRA           | 200706 | 200810     |
| CMI(C)        | 200809 | 201312     |

RIP Date: N/A RC Date: 201312

#### SITE DESCRIPTION

These settling ponds, located along the installation's southern boundary, were first used in 1942. During the years of production, these man-made ponds received sanitary and industrial wastewater from the entire facility and surface runoff from the nitroglycerine, rocket paste, and magazine areas. Spoils removed, during dredging operations, were placed alongside the ponds. In the 1994 FS in situ soil stabilization/solidification and soil cover was the proposed remedial method. The currently impacted pond area is 67 acres, and the spoils disposal areas cover 21 acres. Soil sampling data, received in 2000 and submitted in the form of a data report in May 2001 to the WDNR in a comprehensive analysis indicates DNT is present throughout the site, not in localized areas as was previously indicated. Nitroglycerine and mercury are present in isolated areas, primarily Spoils Site 1.

A site-specific soil cleanup standards proposal was developed and in May 2002 it was submitted to the WDNR for review and approval. The proposal was developed in accordance with the WDNR Chapter NR 700. Specifically, the proposal was developed following the guidance detailed in NR 720.19, which, among other things, recommends that the site-specific standards process be followed.

In 2003, a follow-on RI was conducted to determine the condition of the soil in production areas across the installation. In 2004, a field study was completed to quantify the degradation of DNT in the vadose (unsaturated) soil under the settling ponds. In May 2005, the WDNR directed the Army to perform further ecological risk assessment work. In 2005 based on the WDNRs comments on the original risk assessment, the Army began work on a reevaluation of the risk assessment. In 2006, an ecological risk assessment was conducted and a US Army Center for Health Promotion and Preventive Medicine (USCHPPM) rodent sperm analysis was conducted. That draft report was received in December 2007. In February 2008 it was sent to the WDNR and the USEPA for review.

In September 2004 nine additional monitoring wells were installed on-site. The groundwater issues are currently being addressed under site BAAP-012, but the ponds do not appear to be a source.

In 2007, an IRA (soil dig and haul) was completed to address the WDNRs concerns for soils slated to become part of the GGB sediment in 2009 when Highway 78 is reconstructed through settling Pond 4. In spring 2008, per the WDNRs request to expedite the highway reconstruction land transfer, an alternative feasibility report for Pond 4 was approved. Soil removal achieved site closure in October 2009.

In 2009, Badger conducted additional soil sampling and submitted proposed remedial goals to WDNR. In addition, IRAs (soil dig and haul) began. Proposed soil cleanup levels agreed on with WDNR in 2010 allowed continued soil removal actions in 2011 and 2012. The alternative FS was submitted to WDNR in December 2012, preliminary approval of the proposed remedial goals and actions was received on Feb. 7, 2013. Final remedy approval was received June 2013, and site closure by January 2014.

# Site ID: BAAP-001 Site Name: SETTLING PONDS/SPOILS DISPOSAL AREA

## **CLEANUP/EXIT STRATEGY**

Get approval of FS remedy of soil removal, complete any remaining work, submit closure documentation, and get WDNR closure by August 2013.

The groundwater monitoring is tracked at BAAP-012.

# Site ID: BAAP-012 Site Name: GW Monitoring ON and OFF Post

## STATUS

Parcel: Parcel T1 (147.41 acres), Parcel S3 (39.67 acres), Parcel Q3 (239.22 acres), Parcel P5 (78.32 acres), Parcel H1 (29.06 acres), Parcel W (47.39 acres), Parcel V1 (96.08 acres), Parcel V (291.15 acres), Parcel U2 (100.43 acres), Parcel T (15.44 acres),Parcel R1 (14.11 acres),Parcel R (93.68 acres), Parcel P4 (47.13 acres), Parcel P3 (30.25 acres), Parcel P2 (161.64 acres), Parcel P1 (68.14 acres), Parcel O3 (12.85 acres), Parcel O (332.17 acres), Parcel M2 (17.97 acres), Parcel M1 (160.6 acres), Parcel M (385.31 acres), Parcel L (199.38 acres), Parcel K2 (17.29 acres), Parcel K1 (12.3 acres), Parcel K (1168.42 acres), Parcel J (9.91 acres), Parcel H (44.6 acres), Parcel F (20.19 acres), Parcel E (11.98 acres), Parcel DOT (60.21 acres), Parcel D (1670.51 acres), Parcel C (114.22 acres), Parcel B (55.36 acres), Parcel A (89 acres)

| <u>Phases</u> | Start  | End    |
|---------------|--------|--------|
| RFA           | 197703 | 197703 |
| CS            | 197703 | 197703 |
| RFI/CMS       | 199107 | 199512 |
| DES           | 201012 | 201312 |
| IRA           | 199105 | 201202 |
| CMI(C)        | 201203 | 201512 |
| CMI(O)        | 201510 | 202009 |
| LTM           | 202010 | 203403 |

**RIP Date:** 201512 **RC Date:** 202009

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Explosives, Volatiles (VOC)

Media of Concern: Groundwater

#### **SITE DESCRIPTION**

There are three AOCs for groundwater. One originates at the PBG (BAAP-33) in the southwest part of BAAP and the main concern is solvents. A groundwater extraction system currently captures groundwater from the PBG source area to the installation southern boundary. The area from the boundary to the Wisconsin River, just below the Wisconsin Power and Light Dam is not treated.

The second major AOC is located northeast of Badger near source areas Landfill No. 5 (BAAP-004) and the DBG (BAAP-006). Capping of the DBG in 2003 has eliminated infiltration, but isomers of DNT have been detected in the untreated groundwater past the installation's eastern boundary moving toward Weigand's Bay on the Wisconsin River.

The third AOC is the southeast quarter of the installation, where 2,6 DNT was detected at the enforcement standard on and off the installation: levels appear to be decreasing. No specific source has been found and there is no treatment in this area. The suspected source was discharge of production washwaters to unlined ditches in the rocket propellant production area that ended in 1976.

Five relatively shallow private residential water supply wells in the southern off-post area were affected: three from solvent contamination from the PBG and two from the rocket area 2,6 DNT. Army provided new wells drilled into bedrock (for the three with solvents) or the into lower, uncontaminated portion of the aquifers (for the two with 2,6 DNT).

A final off-post contingency plan (supply bottled water to affected homes once exceedences of state drinking water standards are confirmed in their wells) has been prepared.

Installation of monitoring wells on and off the installation continues as the lab's ability to detect DNT at lower levels led to more

# Site ID: BAAP-012 Site Name: GW Monitoring ON and OFF Post

findings and increasingly stringent state standards.

DNT detections above the enforcement standards continue in monitoring wells in the PBG plume to the south and the DBG plume to the east of Badger.

Quarterly monitoring continues and is currently performed by Badger's on-site laboratory. The WDNR reviews the monitoring program regularly and it is modified as needed.

In November 2010, the state added additional regulated groundwater contaminants, including a cumulative of the six DNT isomers.

In September 2010, the Army proposed a district drinking water system to eliminate residential well monitoring requirements and reduce other monitoring.

The alternative FS proposing final remedies for all groundwater issues at Badger received WDNR approval June 28, 2012. The remedy includes a district water supply (awaiting local municipal approval), MNA, reduced residential and monitoring well sampling, and shutdown of the treatment systems tracked at BAAP-33.

In 2013, WDNR approval of MNA is expected with reduction in home well monitoring, regardless of public water system municipal approval.

In addition to the continued groundwater monitoring, the public water system installation, and limited operation of the public water system, the remaining remediation efforts require a variety of technical, administrative, and related activities to support all facets of facility environmental restoration analysis and implementation. An understanding of parcel history, contamination characteristics, remedial goals, and a remedial alternatives analysis of each remediation site is required. Also, an understanding of the regulatory climate and a working relationship with RAB members, WDNR, and other regulatory agency personnel is essential. Starting in FY2014, BAAP-012 will be utilized to provide professional site management for the entire facility.

#### **CLEANUP/EXIT STRATEGY**

Installation-wide and off-site groundwater monitoring is conducted and funded under this site. Leases for off-site monitoring wells are negotiated and fees paid annually to the landowners through the Corps of Engineers Real Estate office. In February 2012 the WDNR gave preliminary approval to Army's proposed remedies. Get approval to install a district drinking water system to eliminate residential well monitoring and potential human exposure. Continue phased shut down of the pump-and-treat systems (IRM shutdown in 2012 was start) under WDNR oversight. Reduce residential and monitoring wells to best support long-term MNA that will continue through 2034 or longer.

#### Site Name: PROP BRNG GRD - CONTAMINATED WASTE PITS

## STATUS

Parcel: Parcel T1 (147.41 acres), Parcel H (44.6

acres), Parcel F (20.19 acres), Parcel D (1670.51

acres)

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Explosives, Volatiles (VOC)

Media of Concern: Groundwater, Soil

| Phases  | Start  | End    |
|---------|--------|--------|
| RFA     | 197701 | 197705 |
| CS      | 197701 | 197705 |
| RFI/CMS | 198808 | 200612 |
| DES     | 198809 | 200806 |
| IRA     | 198908 | 199612 |
| CMI(C)  | 199510 | 200811 |
| CMI(O)  | 200105 | 201709 |

**RIP Date:** 200811 **RC Date:** 201709

#### **SITE DESCRIPTION**

The PBG waste pits are located in the southwestern portion of BAAP. The contaminated waste pits area is approximately three acres and contained three disposal pits and a large open area. From the 1950s through the 1970s the pits were used to burn propellant-contaminated materials and organic solvents. The liquid waste materials migrated down through the sandy soil to the groundwater. A groundwater plume containing solvents and DNT has moved south past the installation boundary (see BAAP-12).

Soil remedies originally selected in 1994 included soil vapor extraction (SVE) followed by soil removal, washing, and composting. In 1997 the soil washing was shown to be ineffective in removing DNT. In February 1998 an SVE system to remove solvents was installed, operated successfully and was removed in September 1999. Shallow soils contaminated with the non-volatile DNT and metals were removed from the waste pits in the fall of 1999 and a pilot biotreatment system was installed in Waste Pit 1 to treat DNT in the subsurface soil. The pilot system proved to successfully increase the rate of naturally occurring biological decomposition of the chemicals in the soil. A full-scale biotreatment system was installed and operated through 2005.

A revised alternative FS was prepared to finalize the change in the soils remedy. The FS proposed the SVE system, partial excavation and off-site incineration of soils, a biotreatment system, and installation of a cap as the final remedy. In February 2008 the WDNR approved this remedy. In the summer of 2008 the pits area cap installation completed the soil remediation actions.

The groundwater remediation started in 1990 with the construction of a pump-and-treat system called the IRM to capture contamination from the source (pits area). In 1996, groundwater capture along the southern boundary began with the construction of the MIRM. In 2005 and 2006, additional capture wells were installed within the plume and distal boundary wells abandoned. Biofouling of these wells required additional process measures in 2006 and 2007. Efforts to optimize groundwater capture continue.

In 2002 and 2003, investigations for other potential sources of solvents in the area were completed; the results were negative.

The PBG RCRA cap/cover construction was completed in November 2008. In September 2010, the Army proposed a district drinking water supply to eliminate long-term residential well monitoring, and reduce other groundwater monitoring and treatment. An alternate FS proposing shutdown of the groundwater treatment option funded here and a district water system and MNA for the final groundwater remedy (BAAP-12) received WDNR approval June 28, 2012. WDNR approved a phased shutdown of the pump-and-treat systems, starting with IRM shutdown/layaway in December 2012. Monitoring to check specifically for problems from rebound of contaminant levels is underway. If successful, MIRM phased shutdown will follow.

In November 2010, the state set new groundwater standards including all six DNT isomers separately and as a cumulative value.

#### Site Name: PROP BRNG GRD - CONTAMINATED WASTE PITS

## **CLEANUP/EXIT STRATEGY**

The RCRA cap installed in 2008 was designed as Phase II of the 1949 pit cap. It is maintained under BAAP-35 site-wide cap and cover maintenance.

The pump-and-treat systems (IRM/MIRM) will be phased to shut down completely by 2016. If WDNR agrees that no groundwater conditions require system restart, it will be removed.

Groundwater monitoring is done as a part of an installation-wide program tracked at BAAP-012.

Site Name: CAP & COVER MAINTENANCE



Parcel: Parcel V1 (96.08 acres), Parcel K2 (17.29

acres), Parcel K1 (12.3 acres), Parcel H (44.6 acres)

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Metals

Media of Concern: Groundwater, Soil

| <u>Phases</u> | Start  | End    |
|---------------|--------|--------|
| RFA           | 197701 | 197705 |
| CS            | 197701 | 197705 |
| RFI/CMS       | 198808 | 199512 |
| DES           | 199509 | 199807 |
| CMI(C)        | 199707 | 199812 |
| LTM           | 201002 | 205403 |

RIP Date: N/A RC Date: 199812

#### SITE DESCRIPTION

The PBG racetrack area includes the area used to burn off-spec propellants over the years. This disposal operation was eventually permitted as the hazardous waste thermal treatment unit. It was closed after soil removal, with a soil cover placed over the area in 1994. Landfill 1, which received solid waste and ash from about 1944 to 1955, was capped in 1997. The 1949 pit area, used for open burning of wastes after 1944 through 1950s, was backfilled in 1962. It was formally closed with an engineered cap in 1998. In 2008 the cap was extended as originally planned to cover the PBG waste pits area.

This site is now used to track all long-term care requirements on the former installation lands, to insure all requirements are met.

The closed sites addressed under this effort include the PBG area caps and covers (Racetrack Area soil cover, Landfill No. 1 cap, and the combined PBG pits/1949 pit cap), Landfill No. 5 cap, and the DBG area/Landfill No. 3 cap. Other areas may be added as sites are remediated.

The WDNR requires long-term operation and maintenance of these caps and covers for at least 40 years beyond the closure date of the sites.

A five-year review was done in FY2008 and is underway for FY2013.

#### **CLEANUP/EXIT STRATEGY**

All cap and cover maintenance costs for any site on the installation are tracked here. An installation-wide review is underway. WDNR requires maintenance of caps for at least 40 years from installation date. Contracting for maintenance will switch from installation to USAEC or US Army Corps of Engineers in out-years.

Site ID: BAAP-40
Site Name: GRUBER'S GROVE BAY



Parcel: NONE

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Metals

Media of Concern: Sediment

| Phases  | Start  | End    |
|---------|--------|--------|
| RFA     | 199805 | 199903 |
| CS      | 199904 | 200009 |
| RFI/CMS | 199909 | 201309 |
| DES     | 200006 | 201412 |
| IRA     | 200103 | 200709 |
| CMI(C)  | 201310 | 201512 |

RIP Date: N/A RC Date: 201512

#### SITE DESCRIPTION

The GGB site received Badger discharge waters during production. State sampling of sediment in November 1998 showed elevated lead, mercury, zinc and ammonia. The results were confirmed in a 1999 sampling.

The RI was completed in 2000. The selected remedy was dredging of sediments with disposal on the installation. The dredged materials were pumped into fabric tubes for dewatering. The water was treated and sprayed on agricultural land on the installation. The dry, filled tubes were buried-in-place, in an area north of the settling ponds (Parcel M2). Dredging began in June 2001, and was completed in November 2001, with 88,000 cubic yards (cy) removed. The geotubes were covered over in September 2002 (Phase I). Bay restoration activities (fish cribs, aquatic plants) were completed in September 2002. Final grading and seeding was completed in July 2003.

In early 2003, the WDNR sampled the bay sediments and found some elevated levels of metals. In 2004 and 2005 the Army investigated residual concentrations and toxicity of metals in bay sediments. On May 5, 2005, the WDNR sent a letter to the Army recommending sediment removal or an additional ecological risk assessment.

In 2006, the bay was dredged again, following procedures similar to those used in 2001. Attention was given to shoreline areas within the dredge boundary. In addition, CS was used to verify completion. Removal of the sediment (52,532 cy) has been completed. The laydown area was covered in 2007. The final report was submitted to the WDNR in February 2008. Subsequent sampling by Army and the WDNR reveals mercury above cleanup level remains.

In 2009, WDNR started review of all available information to determine if additional remediation is required. The WDNR sent a letter in May 2010 requesting Badger evaluate alternatives that address restoring GGB sediments to levels protective of benthic organisms. On Feb. 3, 2011 WDNR requested Army action. Alternatives are currently being screened, supplemental data will be collected, and technical review meetings with the WDNR are being conducted in 2013 to make sure the remedy recommended (sediment treatment) is technically suitable for the site.

#### **CLEANUP/EXIT STRATEGY**

Based on the post-dredging sample results, mercury-impacted sediment remains. WDNR and the Army have a preliminary agreement on the closure criteria so a remedy design can begin. The remedy involves the design and placement of a sediment cap. If the cap is successful, NFA will be required.

Site Name: Site-Wide RI

## STATUS

Parcel: Parcel S1 (35.4 acres), Parcel Y2 (24.32

acres), Parcel X3 (36.95 acres), Parcel Y1 (32.87 acres), Parcel S5 (15.71 acres), Parcel S3 (39.67 acres), Parcel R3 (35.75 acres), Parcel P6 (43.25 acres), Parcel H1 (29.06 acres), Parcel Y (68.15 acres), Parcel X2 (42.37 acres), Parcel R1 (14.11 acres), Parcel R (93.68 acres), Parcel P1 (68.14

acres), Parcel H (44.6 acres)

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Explosives, Metals

Media of Concern: Soil

| Phases  | Start  | End    |
|---------|--------|--------|
| RFA     | 200305 | 200504 |
| RFI/CMS | 200505 | 201402 |
| DES     | 200606 | 201403 |
| CMI(C)  | 200606 | 201409 |

RIP Date: N/A RC Date: 201409

## **SITE DESCRIPTION**

Previous RIs did not address the production and support areas at this site. Full RIs are required with cleanup, as needed.

From 2005 to 2010 demolition was funded by Operations and Maintenance, Army (OM,A). Post-demolition RI work followed which took place between the finishing areas and the start of the production lines. RI/RA work is expected to be complete in FY2013 at the production buildings and in FY2014 at the support areas.

#### **CLEANUP/EXIT STRATEGY**

Complete RI/RA actions and provide geographic information system (GIS) and other support to achieve closure with regulatory agencies.

# **IRP Site Closeout (No Further Action) Summary**

| Site ID  | Site Name                                | NFA Date | Documentation  |  |  |  |
|----------|--|----------|--|--|--|--|
| BAAP-002 | BALLISTICS POND and Ditches              | 200204   | WDNR letter dated April 2002<br>stating NFA  |  |  |  |
| BAAP-003 | OLEUM PLANT AND POND                     | 199812   | WDNR letter dated March 2005<br>stating NFA  |  |  |  |
| BAAP-004 | EXISTING LANDFILL (LANDFILL #5)          | 200112   | WDNR letter dated Sept 1989<br>stating NFA   |  |  |  |
| BAAP-005 | NITROGLYCERINE Pond                      | 200012   | WDNR letter dated July 2000 stating NFA  |  |  |  |
| BAAP-006 | DETERRENT BURNING GROUND                 | 201210   | WDNR letter October 14, 2002<br>modifies IFCR to include approved<br>remedy                      |  |  |  |
| BAAP-008 | ROCKET PASTE AREA                        | 200304   | WDNR letter dated July 2000 stating NFA  |  |  |  |
| BAAP-009 | OLD ACID AREA                            | 200805   | Letter from WDNR dated 30-Jan-<br>08 confirming the completion of lead cleanup and NFA required. |  |  |  |
| BAAP-010 | NEW ACID AREA                            | 200112   | WDNR letter dated March 2005<br>stating NFA  |  |  |  |
| BAAP-011 | OLD FUEL OIL TANKS                       | 200112   | WDNR letter dated Jan 2006 stating NFA   |  |  |  |
| BAAP-013 | UNDERGROUND STORAGE TANKS (10)           | 199008   | WDNR letter dated Mar 1999 stating NFA   |  |  |  |
| BAAP-014 | LANDFILL #6 (NEW 1989)                   | 199908   | USACHPPM review 8/99 - not<br>DERA eligible  |  |  |  |
| BAAP-015 | SANITARY LANDFILL #3 (CLOSED)            | 199008   | Capped as part of BAAP-006. NFA  |  |  |  |
| BAAP-016 | Landfill#4/POWERHOUSE #2                 | 199008   | Bldg demolished in 2005. WDNR letter 12/05 NFA   |  |  |  |
| BAAP-020 | BALL POWDER PILOT PLANT                  | 199008   | WDNR letter dated July 2000 stating NFA  |  |  |  |
| BAAP-021 | BALLISTICS AND TESTING AREA              | 199008   | WDNR letter dated Jan 2005 stating NFA   |  |  |  |
| BAAP-022 | BALL PROPELLANT PRODUCTION AREA          | 199008   | WDNR letter dated July 2000 stating NFA  |  |  |  |
| BAAP-023 | INGREDIENT WAREHOUSE                     | 199008   | WDNR letter dated July 2000 stating NFA  |  |  |  |
| BAAP-024 | SMOKELESS POWDER PRODUCTION              | 199008   | WDNR letter dated July 2000 stating NFA  |  |  |  |
| BAAP-025 | SALVAGE YARD                             | 199008   | USACHPPM review 7/99 - not<br>DERA eligible  |  |  |  |
| BAAP-026 | HAZARDOUS WASTE STORAGE AREA             | 199108   | WDNR letter dated Oct 2004 stating NFA   |  |  |  |
| BAAP-027 | WASTE PROCESSOR                          | 199008   | WDNR letter dated July 2000 stating NFA  |  |  |  |
| BAAP-029 | SOLVENT RECOVERY STILL AREA              | 199008   | WDNR letter dated July 2000 stating NFA  |  |  |  |
| BAAP-030 | LABORATORIES-BLDG# 201,2556,4034,6682    | 199008   | USACHPPM review 7/99 - not<br>DERA eligible  |  |  |  |
| BAAP-031 | COAL YARD                                | 199008   | WDNR letter dated July 2000 stating NFA  |  |  |  |
| BAAP-032 | ABOVE GROUND STORAGE TANKS               | 199008   | WDNR letter dated July 2000 stating NFA  |  |  |  |
| BAAP-34  | PROP BRNG GRD - THERM TRTMT UNT/RACETRCK | 200112   | WDNR letter dated Sept 1996<br>stating NFA   |  |  |  |
| BAAP-36  | EAST & WEST ROCKET AREA DITCHES          | 200305   | WDNR letter dated Sept 1989 stating NFA  |  |  |  |

# **IRP Site Closeout (No Further Action) Summary**

| Site ID | Site Name                           | NFA Date | Documentation                           |
|---------|-------------------------------------|----------|---|
| BAAP-37 | POWERHOUSE # 1 SOIL OLD FUEL SPILLS | 200606   | WDNR letter dated July 2006 stating NFA |
| BAAP-38 | TRANSFORMER YARD - PCB IN SOIL      | 199612   | WDNR letter dated Jan 1997 stating NFA  |
| BAAP-39 | OLEUM LANDFILL                      | 199808   | WDNR letter dated Apr 2002 stating NFA  |
| BAAP-42 | Box Wash Accounts 1890-1&2          | 200707   | WDNR letter dated June 2007 stating NFA |

Date of IRP Inception: 197701

#### **Past Phase Completion Milestones**

1977

CS (BAAP-36 - EAST & WEST ROCKET AREA DITCHES, BAAP-35 - CAP & COVER MAINTENANCE,

BAAP-34 - PROP BRNG GRD - THERM TRTMT UNT/RACETRCK, BAAP-33 - PROP BRNG GRD - CONTAMINATED WASTE PITS, BAAP-012 - GW Monitoring ON and OFF Post, BAAP-010 - NEW ACID AREA, BAAP-009 - OLD ACID AREA, BAAP-008 - ROCKET PASTE AREA, BAAP-006 - DETERRENT BURNING GROUND, BAAP-005 - NITROGLYCERINE Pond, BAAP-004 - EXISTING LANDFILL (LANDFILL #5). BAAP-003 - OLEUM PLANT AND POND, BAAP-002 - BALLISTICS POND

and Ditches, BAAP-001 - SETTLING PONDS/SPOILS DISPOSAL AREA)

SI (BAAP-011 - OLD FUEL OIL TANKS)

RFA (BAAP-36 - EAST & WEST ROCKET AREA DITCHES, BAAP-35 - CAP & COVER MAINTENANCE,

BAAP-34 - PROP BRNG GRD - THERM TRTMT UNT/RACETRCK, BAAP-33 - PROP BRNG GRD - CONTAMINATED WASTE PITS, BAAP-032 - ABOVE GROUND STORAGE TANKS, BAAP-031 - COAL YARD, BAAP-030 - LABORATORIES-BLDG# 201,2556,4034,6682, BAAP-029 - SOLVENT RECOVERY STILL AREA, BAAP-027 - WASTE PROCESSOR, BAAP-025 - SALVAGE YARD, BAAP-024 - SMOKELESS POWDER PRODUCTION, BAAP-023 - INGREDIENT WAREHOUSE, BAAP-022 - BALL PROPELLANT PRODUCTION AREA, BAAP-021 - BALLISTICS AND TESTING AREA, BAAP-020 - BALL POWDER PILOT PLANT, BAAP-012 - GW Monitoring ON and OFF Post, BAAP-010 - NEW ACID AREA, BAAP-009 - OLD ACID AREA, BAAP-008 - ROCKET PASTE AREA , BAAP-006 - DETERRENT BURNING GROUND, BAAP-005 - NITROGLYCERINE POND , BAAP-004 - EXISTING LANDFILL (LANDFILL #5), BAAP-003 - OLEUM PLANT AND POND, BAAP-002 - BALLISTICS POND and Ditches, BAAP-001 - SETTLING PONDS/SPOILS DISPOSAL AREA, BAAP-015 - SANITARY

LANDFILL #3 (CLOSED), BAAP-014 - LANDFILL #6 (NEW 1989))

PA (BAAP-011 - OLD FUEL OIL TANKS, BAAP-016 - Landfill#4/POWERHOUSE #2, BAAP-013 -

UNDERGROUND STORAGE TANKS (10))

1987

IRA (BAAP-010 - NEW ACID AREA)

1990

IRA (BAAP-004 - EXISTING LANDFILL (LANDFILL #5))

1991

RFA (BAAP-37 - POWERHOUSE # 1 SOIL OLD FUEL SPILLS, BAAP-026 - HAZARDOUS WASTE

STORAGE AREA)

1992

RFA (BAAP-42 - Box Wash Accounts 1890-1&2)

1993

RFA (BAAP-38 - TRANSFORMER YARD - PCB IN SOIL)

1994

CS (BAAP-42 - Box Wash Accounts 1890-1&2, BAAP-37 - POWERHOUSE # 1 SOIL OLD FUEL SPILLS)

1995

RFI/CMS (BAAP-005 - NITROGLYCERINE Pond )

1996

DES (BAAP-005 - NITROGLYCERINE Pond )

RFI/CMS (BAAP-37 - POWERHOUSE # 1 SOIL OLD FUEL SPILLS, BAAP-35 - CAP & COVER

MAINTENANCE, BAAP-34 - PROP BRNG GRD - THERM TRTMT UNT/RACETRCK, BAAP-012 - GW Monitoring ON and OFF Post, BAAP-010 - NEW ACID AREA, BAAP-006 - DETERRENT BURNING GROUND, BAAP-004 - EXISTING LANDFILL (LANDFILL #5), BAAP-003 - OLEUM PLANT AND

POND, BAAP-38 - TRANSFORMER YARD - PCB IN SOIL)

RI/FS (BAAP-011 - OLD FUEL OIL TANKS)

## **IRP Schedule**

1997

CMI(C) (BAAP-38 - TRANSFORMER YARD - PCB IN SOIL)

IRA (BAAP-33 - PROP BRNG GRD - CONTAMINATED WASTE PITS)

1998

RFA (BAAP-39 - OLEUM LANDFILL)

CMI(C) (BAAP-34 - PROP BRNG GRD - THERM TRTMT UNT/RACETRCK)

CS (BAAP-39 - OLEUM LANDFILL)

DES (BAAP-37 - POWERHOUSE # 1 SOIL OLD FUEL SPILLS, BAAP-35 - CAP & COVER

MAINTENANCE, BAAP-34 - PROP BRNG GRD - THERM TRTMT UNT/RACETRCK)

1999

CMI(C) (BAAP-35 - CAP & COVER MAINTENANCE)

RFA (BAAP-40 - GRUBER'S GROVE BAY)

LTM (BAAP-003 - OLEUM PLANT AND POND, BAAP-014 - LANDFILL #6 (NEW 1989))

2000

CS (BAAP-40 - GRUBER'S GROVE BAY)

2001

IRA (BAAP-006 - DETERRENT BURNING GROUND)

CMI(C) (BAAP-005 - NITROGLYCERINE Pond)

2002

LTM (BAAP-011 - OLD FUEL OIL TANKS, BAAP-34 - PROP BRNG GRD - THERM TRTMT

UNT/RACETRCK, BAAP-010 - NEW ACID AREA, BAAP-004 - EXISTING LANDFILL (LANDFILL #5))

RFI/CMS (BAAP-002 - BALLISTICS POND and Ditches)

2003

DES (BAAP-36 - EAST & WEST ROCKET AREA DITCHES, BAAP-008 - ROCKET PASTE AREA , BAAP-

006 - DETERRENT BURNING GROUND)

RFI/CMS (BAAP-36 - EAST & WEST ROCKET AREA DITCHES, BAAP-008 - ROCKET PASTE AREA )

CMI(C) (BAAP-36 - EAST & WEST ROCKET AREA DITCHES, BAAP-008 - ROCKET PASTE AREA )

2004

CMI(C) (BAAP-006 - DETERRENT BURNING GROUND)

2005

RFA (BAAP-43 - Site-Wide RI)
IRA (BAAP-009 - OLD ACID AREA)

RFI/CMS (BAAP-42 - Box Wash Accounts 1890-1&2, BAAP-009 - OLD ACID AREA)

2006

CMI(O) (BAAP-37 - POWERHOUSE # 1 SOIL OLD FUEL SPILLS)
CMI(C) (BAAP-37 - POWERHOUSE # 1 SOIL OLD FUEL SPILLS)

2007

RFI/CMS (BAAP-33 - PROP BRNG GRD - CONTAMINATED WASTE PITS)

DES (BAAP-42 - Box Wash Accounts 1890-1&2, BAAP-009 - OLD ACID AREA)

## **IRP Schedule**

2007

CMI(C) (BAAP-42 - Box Wash Accounts 1890-1&2)
IRA (BAAP-40 - GRUBER'S GROVE BAY)

2008

CMI(C) (BAAP-009 - OLD ACID AREA)

DES (BAAP-33 - PROP BRNG GRD - CONTAMINATED WASTE PITS)

2009

CMI(C) (BAAP-33 - PROP BRNG GRD - CONTAMINATED WASTE PITS)

IRA (BAAP-001 - SETTLING PONDS/SPOILS DISPOSAL AREA)

2010

RFI/CMS (BAAP-001 - SETTLING PONDS/SPOILS DISPOSAL AREA)

2011

DES (BAAP-001 - SETTLING PONDS/SPOILS DISPOSAL AREA)

2012

IRA (BAAP-012 - GW Monitoring ON and OFF Post)

#### **Projected Phase Completion Milestones**

See attached schedule

Projected Record of Decision (ROD)/Decision Document (DD) Approval Dates

Site IDSite NameROD/DD TitleROD/DD DateBAAP-012GW Monitoring ON and OFF PostWater Supply System, Badger AAP20131130

Final RA(C) Completion Date: 201512

Schedule for Next Five-Year Review: 2013

Estimated Completion Date of IRP at Installation (including LTM phase): 205403

## **BADGER ARMY AMMUNITION PLANT IRP Schedule**

|          |   |         |      |      |      | = phas | ay   |       |
|----------|---|---------|------|------|------|--------|------|-------|
| SITE ID  | SITE NAME                               | PHASE   | FY14 | FY15 | FY16 | FY17   | FY18 | FY19+ |
| BAAP-001 | SETTLING PONDS/SPOILS<br>DISPOSAL AREA  | CMI(C)  |      |      |      |        |      |       |
| SITE ID  | SITE NAME                               | PHASE   | FY14 | FY15 | FY16 | FY17   | FY18 | FY19+ |
| BAAP-012 | GW Monitoring ON and OFF Post           | DES     |      |      |      |        |      |       |
|          |   | CMI(C)  |      |      |      |        |      |       |
|          |   | CMI(O)  |      |      |      |        |      |       |
|          |   | LTM     |      |      |      |        |      |       |
| SITE ID  | SITE NAME                               | PHASE   | FY14 | FY15 | FY16 | FY17   | FY18 | FY19+ |
| BAAP-33  | PROP BRNG GRD - CONTAMINATED WASTE PITS | CMI(O)  |      |      |      |        |      |       |
| SITE ID  | SITE NAME                               | PHASE   | FY14 | FY15 | FY16 | FY17   | FY18 | FY19+ |
| BAAP-35  | CAP & COVER MAINTENANCE                 | LTM     |      |      |      |        |      |       |
| SITE ID  | SITE NAME                               | PHASE   | FY14 | FY15 | FY16 | FY17   | FY18 | FY19+ |
| BAAP-40  | GRUBER'S GROVE BAY                      | DES     |      |      |      |        |      |       |
|          |   | CMI(C)  |      |      |      |        |      |       |
| SITE ID  | SITE NAME                               | PHASE   | FY14 | FY15 | FY16 | FY17   | FY18 | FY19+ |
| BAAP-43  | Site-Wide RI                            | RFI/CMS |      |      |      |        |      |       |
|          |   | DES     |      |      |      |        |      |       |
|          |   | CMI(C)  |      |      |      |        |      |       |

## **BADGER ARMY AMMUNITION PLANT**

Non-BRAC Excess
Compliance Restoration

## **CR Summary**

#### Installation Total Army Environmental Database-Restoration (AEDB-R) Sites/Closeout Sites Count: 1/0

#### Installation Site Types with Future and/or Underway Phases

 Industrial Discharge (CC-BAAP-44)

#### **Most Widespread Contaminants of Concern**

Explosives, Metals, Polychlorinated Biphenyls (PCB), Semi-volatiles (SVOC), Volatiles (VOC)

#### **Media of Concern**

Soil

Completed Remedial Actions (Interim Remedial Actions / Final Remedial Actions (IRA/FRA)) Remedy FY Cost Action Site ID **Site Name** CC-BAAP-WASTE REMOVAL - SOLIDS (NON-**TBD** Abandoned Industrial Sewer **IRA** 2012 44 Network CC-BAAP-**TBD** Abandoned Industrial Sewer **IRA** WASTE REMOVAL - SOILS 2012

44 Network

#### **Duration of CR**

Year of CR Inception: 200010

Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC): 201407/201407

Date of CR completion including Long Term Management (LTM): 201407

## **CR Contamination Assessment**

#### **Contamination Assessment Overview**

Environmental restoration activities include the Installation Restoration Program (IRP) and Military Munitions Response Program (MMRP). On Dec. 29, 2008, the ODUSD(I&E), issued an interim policy for Defense Environmental Restoration Program (DERP) eligibility that rescinded the 1986 eligibility date for the IRP and the 2002 eligibility date for the MMRP. This made many sites previously addressed in the Army's Compliance-related Cleanup (CC) program eligible for the DERP. Sites which are now eligible for the MMRP have been migrated from Army Environmental Database - Compliance-related Cleanup (AEDB-CC) and given the naming convention of other Munitions Response (MR) sites. The newly eligible non-MR type sites are considered to be Installation Restoration (IR) sites; however, the newly eligible sites are being coded as Compliance Restoration (CR) in AEDB-R to distinguish them from the original IR sites and IR metrics.

The total estimated documented abandoned production area sewers was 58.18 miles (plus additional undocumented drains) at depths from 4 to 30 ft below ground surface (bgs). Sewer pipe (three foot tile sections), was in poor condition with collapses and heavy damage. Previous spot investigations found DNTs, lead, mercury, propellants, dibutyl-phthalate (DBP) diphenylamine (DPA), PCBs above required cleanup levels in pipes and surrounding soils. RI work included location surveys, safety oversight, removing overlying soil and structures, rerouting active utility lines interfering with excavation, collecting pipe and soil samples, laboratory analysis, disposal of investigation derived waste, and reports. An active Bluffview sanitary sewer line serving 1000 people rested atop sections of an abandoned production sewer, and required relocation.

Investigation and cleanup was completed in 2012.

#### **Cleanup Exit Strategy**

As structures are demolished, inspection, removal and closure of remaining sewers will be completed. Closure will be complete when all parcels have received closure letters from state.

| Title |   | Author                                  | Date     |  |
|-------|---|---|----------|--|
| 2011  |   |   |          |  |
|       | WDNR LETTER, FINAL CASE CLOSURE AND NO-<br>ACTION-REQUIRED DETERMINATION FOR BAAAP<br>PARCEL P3 RI/RA/PROCESS SEWER REOVAL<br>PROJECTS (CD) | Wisconsin Department of<br>Natural Reso | MAR-2011 |  |
|       | DEPARTMENT OF THE ARMY LETTER, SUBJECT: PARCEL U3 WISCONSIN DEPARTMENT OF NATURAL RESOURCES CLOSURE REQUEST (CD)                            | Department of the Army                  | MAR-2011 |  |
|       | DEPARTMENT OF THE ARMY LETTER, SUBJECT: PARCEL X2 WISCONSIN DEPARTMENT OF NATURAL RESOUCES CLOSURE REQUEST (CD)                             | Department of the Army/SpecPro, Inc     | JUN-2011 |  |
|       | DEPARTMENT OF THE ARMY LETTER, SUBJECT: PARCELS V, V2, AND V3 WISCONSIN DEPARTMENT OF NATURAL RESOURCES CLOSURE REQUEST (CD)                | Department of the Army/SpecPro, Inc.    | AUG-2011 |  |
| 2012  | (0-)  |   |          |  |
|       | DEPARTMENT OF THE ARMY LETTER, SUBJECT: PARCEL Q3 WISCONSIN DEPARTMENT OF NATURAL RESOURCES CLOSURE REQUEST (CD)                            | Department of the Army/SpecPro, Inc.    | JAN-2012 |  |

## **BADGER ARMY AMMUNITION PLANT**

Non-BRAC Excess
Compliance Restoration
Site Descriptions

#### Site Name: Abandoned Industrial Sewer Network

## STATUS

Parcel: Parcel S1 (35.4 acres), Parcel Y2 (24.32

acres), Parcel S3 (39.67 acres), Parcel R3 (35.75

acres)

Regulatory Driver: RCRA

Contaminants of Concern: Asbestos, Lead Based Paint, Metals, Munitions and explosives of concern (MEC), Polychlorinated

Biphenyls (PCB)

Media of Concern: Soil

| <u>Phases</u> | Start  | End    |
|---------------|--------|--------|
| RFA           | 200010 | 200812 |
| RFI/CMS       | 200905 | 201407 |
| IRA           | 200906 | 201207 |

RIP Date: N/A RC Date: 201407

#### SITE DESCRIPTION

The estimated length of the abandoned production area sewers was documented to be 68.18 miles at depths from 4 to 30 ft below ground surface. Sewer pipe (in three-foot tile sections) was found in poor condition with collapses and damage. In addition to the original estimate, undocumented shallow drains were found. Previous spot investigations found DNT, lead, mercury, propellants, DBP, DPA, PCBs above required cleanup levels in pipes and sorrounding soils. RI work included location surveys, safety oversight, removing overlying soil and structures, rerouting active utility lines interfering with excavation, collecting pipe and soil samples, laboratory analysis, disposal of investigation derived waste, and reports. An active Bluffview sanitary sewer line serving 1000 people rested atop sections of abandoned production sewer, requiring relocation.

In 2009, relocation of active sewer lines and inspection/removal/closure of approximately 55 percent of sewers was completed. In 2012 the last of the sewer lines were investigated, remediated where necessary, and closed. Site closure documentation by parcel will be complete in FY2014.

### **CLEANUP/EXIT STRATEGY**

Closure will be complete when all parcels have received closure letters from the state.

# CR Site Closeout (No Further Action) Summary

**NFA Date** Site ID **Site Name Documentation** 

There are no NFA sites

## **CR Schedule**

**Date of CR Inception:** 200010

**Past Phase Completion Milestones** 

2009

RFA (CC-BAAP-44 - Abandoned Industrial Sewer Network)

2012

IRA (CC-BAAP-44 - Abandoned Industrial Sewer Network)

**Projected Phase Completion Milestones** 

See attached schedule

Projected Record of Decision (ROD)/Decision Document (DD) Approval Dates

Site ID Site Name ROD/DD Title ROD/DD Date

Final RA(C) Completion Date:

Schedule for Next Five-Year Review: 2013

Estimated Completion Date of CR at Installation (including LTM phase): 201407

## **BADGER ARMY AMMUNITION PLANT CR Schedule**

|            |                                    |         |      |      |      | = phase underway |      |       |
|------------|------------------------------------|---------|------|------|------|------------------|------|-------|
| SITE ID    | SITE NAME                          | PHASE   | FY14 | FY15 | FY16 | FY17             | FY18 | FY19+ |
| CC-BAAP-44 | Abandoned Industrial Sewer Network | RFI/CMS |      |      |      |                  |      |       |

## **Community Involvement**

Technical Review Committee (TRC): None

Community Involvement Plan (Date Published): 201301 Restoration Advisory Board (RAB): RAB established 1993

RAB Adjournment Date: RAB Adjournment Reason:

#### **Additional Community Involvement Information**

At each phase of the environmental restoration process, public information meetings have been held at BAAP to keep the community informed of the progress of the cleanup program. In January 1993, the installation began publishing an environmental newsletter to keep the employees, local citizens, and politicians updated on the environmental work that was underway.

In 1993, the Badger Environmental Board of Advisors (BEBA) was formed to provide a venue for citizens to participate in the cleanup program at the installation. The first BEBA meeting was held in September 1993 and the group has continued since that time.

The BEBA was formed before the guidelines for Army RABs were finalized. The BEBA had functioned as the Badger RAB until November 2000, when the BEBA refused the Army's request for the BEBA to comply with current RAB guidance.

The BEBA members were able to transition to an expanded regulatory-compliant RAB, which began meeting in January 2001 and continues to meet and advise the Army on restoration issues.

In 2002, the Badger Intergovernmental Group was formed by GSA to work toward the disposal of BAAP real estate. The group held public meetings about every two months. This provided another opportunity for the community to give input on the actions being taken to prepare the installation for new ownership. This group led to the formation of the county-led Badger Oversight and Management Commission that focuses on uses of the installation after the parcels transfer out of Army control.

A community involvement survey of residents impacted by Badger AAP groundwater issues was conducted in December 2011. The results indicate some changes in RAB representation and increased communication efforts would help the community.

#### Administrative Record is located at

Badger AAP S7560 US Highway 12, North Freedom, WI 53951 608.963.3238

#### Information Repository is located at

Sauk City Public Library 515 Water Street, Sauk City, WI 53583 608.643.8346

Ruth Culver Community Library 540 Water Street, Prairie du Sac, WI 53578 608.643.8318

Current Technical Assistance for Public Participation (TAPP): 200309

TAPP Title: 2003 TAPP Grant

# **Community Involvement**

**Current Technical Assistance for Public Participation (TAPP): 200805** 

TAPP Title: explain Settling Ponds FS

**Potential TAPP:**